

# JVC

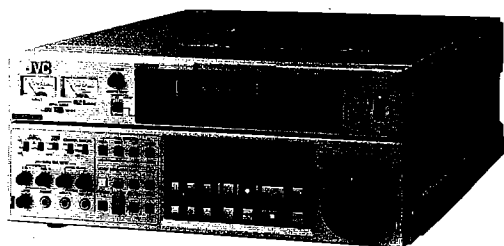
## SERVICE MANUAL

VIDEO CASSETTE RECORDER

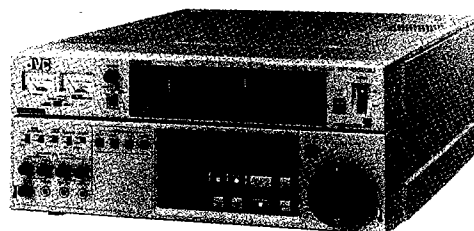
[SUPPLEMENT]

### BR-S822U/BR-S622U/BR-S522U/ BR-S525U

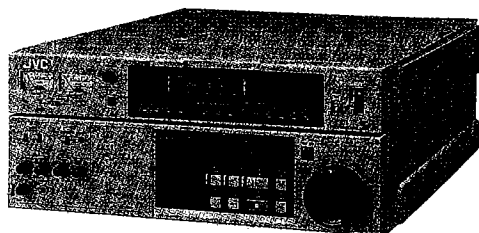
— BR-S822U —



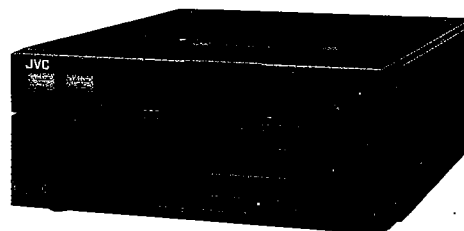
— BR-S622U —



— BR-S522U —



— BR-S525U —



**S**VHS **S**VHS **VHS** **VHS** *Hi-Fi*



# TABLE OF CONTENTS


Section	Title	Page	Section	Title	Page
<b>Important Safety Precautions</b>			<b>5. EXPLODED VIEWS AND PARTS LIST</b>		
<b>1. GENERAL DESCRIPTION</b>			EXPLODED PARTS NUMBER CODING ..... 5-2		
1.1	DETAIL OF ALTERATIONS .....	1-1	5.1	PACKING ASSEMBLY <M1> .....	5-2
<b>2. MECHANISM ADJUSTMENT</b>			5.2	CABINET ASSEMBLY <M2> .....	5-4
2.1	CHANGES IN MECHANISM ASSEMBLY .....	2-1	5.3	CHASSIS ASSEMBLY <M3> .....	5-6
<b>3. ELECTRICAL ADJUSTMENT</b>			5.4	FRAME ASSEMBLY <M4> .....	5-8
3.1	AUDIO CIRCUIT (BR-S822U/BR-S622U) .....	3-1	5.5	REAR BRACKET ASSEMBLY <M5> .....	5-10
3.2	AUDIO CIRCUIT (BR-S525U/BR-S522U) .....	3-7	5.6	MECHANISM 1 ASSEMBLY <M6> .....	5-12
<b>4. DIAGRAM AND CIRCUIT BOARDS</b>			5.7	MECHANISM 2 ASSEMBLY <M7> .....	5-14
4.1	CIRCUIT BOARD LOCATIONS .....	4-2	5.8	CASSETTE HOUSING ASSEMBLY <M8> .....	5-16
4.2	OVERALL WIRING DIAGRAM (BR-S525) .....	4-3	5.9	DRUM ASSEMBLY <M9A> .....	5-18
4.3	OVERALL WIRING DIAGRAM (BR-S822/BR-S622/ BR-S522) .....	4-6	5.9.1	Drum assembly (BR-S822U/BR-S622U/ BR-S522U) <M9A> .....	5-18
4.4	MOTHER-1 SCHEMATIC DIAGRAM .....	4-8	5.9.2	Drum assembly (BR-S525U) <M9B> .....	5-18
4.5	MOTHER-1 CIRCUIT BOARD (BR-S822/BR-S622/ BR-S522) .....	4-9	5.10	FRONT PANEL ASSEMBLY .....	5-19
4.6	MOTHER-2 SCHEMATIC DIAGRAM .....	4-10	5.10.1	Cassette assembly <MA> .....	5-19
4.7	MOTHER-2 CIRCUIT BOARD .....	4-12	5.10.2	Operation panel assembly <MB> .....	5-20
4.8	AUDIO-3 CIRCUIT BOARD .....	4-13	<b>6. ELECTRICAL PARTS LIST</b>		
4.9	AUDIO-3 SCHEMATIC DIAGRAM .....	4-14	MOTHER-1 BOARD ASSEMBLY <01> .....		
4.10	AV MICOM/ONSCREEN CIRCUIT BOARD .....	4-16	MOTHER-2 BOARD ASSEMBLY <02> .....		
4.11	AV MICOM/ONSCREEN SCHEMATIC DIAGRAM .....	4-17	AUDIO-3 BOARD ASSEMBLY <23> .....		
4.12	MOTHER-1 CIRCUIT BOARD (BR-S525) .....	4-18	AV M/ONSC BOARD ASSY <41> .....		

# Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

## ● Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the  symbol and shaded (■) parts are critical for safety.

Replace only with specified part numbers.

**Note:** Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.  
Caution for continued protection against fire hazard.  
Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:  
1) Wires covered with PVC tubing  
2) Double insulated wires  
3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:  
1) Insulation Tape                      3) Spacers                      5) Barrier  
2) PVC tubing                              4) Insulation sheets for transistors

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

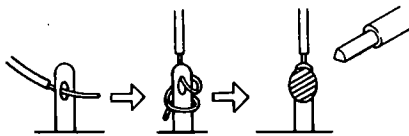


Fig. 1

7. Observe that wires do not contact heat producing parts (heat-sinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10–15 kg of force in any direction will not loosen it.

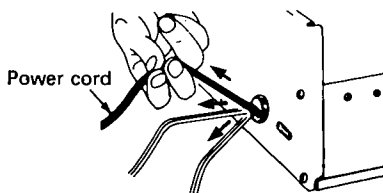


Fig. 2

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)

In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector

In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

1) **Connector part number :** E03830-001

2) **Required tool :** Connector crimping tool of the proper type which will not damage insulated parts.

3) **Replacement procedure**

(1) Remove the old connector by cutting the wires at a point close to the connector.

Important : Do not reuse a connector (discard it).

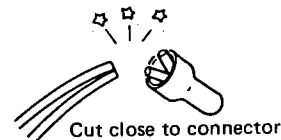


Fig. 3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

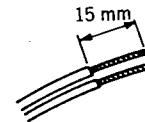


Fig. 4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

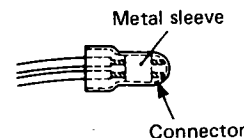


Fig. 5

(4) As shown in Fig. 6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

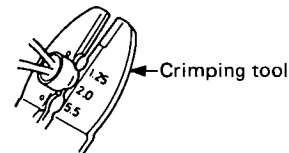


Fig. 6

(5) Check the four points noted in Fig. 7.

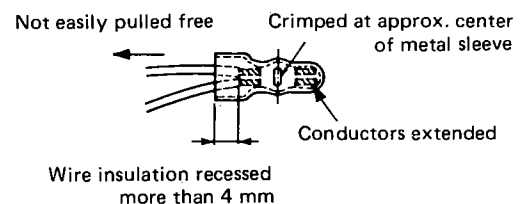


Fig. 7

## ● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

### 1. Insulation resistance test

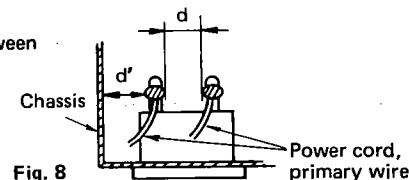
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

### 2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

### 3. Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

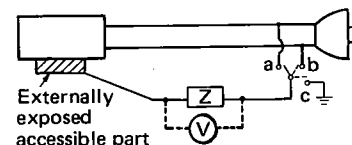


### 4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

**Measuring Method:** (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

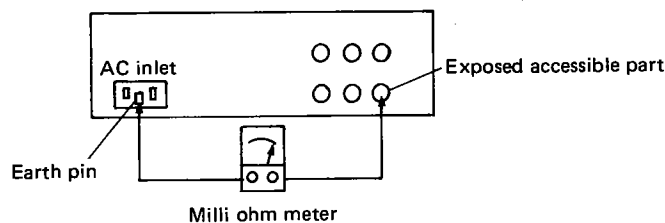


### 5. Grounding (Class I model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

**Measuring Method:**

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.



**Grounding Specifications**

Region	Grounding Impedance (Z)
USA & Canada	$Z \leq 0.1 \text{ ohm}$
Europe & Australia	$Z \leq 0.5 \text{ ohm}$

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	$R \geq 1 \text{ M}\Omega / 500 \text{ V DC}$	AC 1 kV 1 minute	$d, d' \geq 3 \text{ mm}$
100 to 240 V			AC 1.5 kV 1 minute	$d, d' \geq 4 \text{ mm}$
110 to 130 V	USA & Canada	—	AC 900 V 1 minute	$d, d' \geq 3.2 \text{ mm}$
110 to 130 V 200 to 240 V	Europe & Australia	$R \geq 10 \text{ M}\Omega / 500 \text{ V DC}$	AC 3 kV 1 minute (Class II) AC 1.5 kV 1 minute (Class I)	$d \geq 4 \text{ mm}$ $d' \geq 8 \text{ mm}$ (Power cord) $d' \geq 6 \text{ mm}$ (Primary wire)

**Table 1** Specifications for each region

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	$1 \text{ k}\Omega$	$i \leq 1 \text{ mA rms}$	Exposed accessible parts
110 to 130 V	USA & Canada	$0.15 \mu\text{F}$ and $1.5 \text{ k}\Omega$	$i \leq 0.5 \text{ mA rms}$	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia	$2 \text{ k}\Omega$	$i \leq 0.7 \text{ mA peak}$ $i \leq 2 \text{ mA dc}$	Antenna earth terminals
		$50 \text{ k}\Omega$	$i \leq 0.7 \text{ mA peak}$ $i \leq 2 \text{ mA dc}$	Other terminals

**Table 2** Leakage current specifications for each region

**Note:** These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

# SECTION 1 GENERAL DESCRIPTION

## 1.1 DETAIL OF ALTERATIONS

Recent products of the BR-S822U/BR-S622U/BR-S522U/BR-S525U have undergone alteration in the mechanism assembly and the FM AUDIO circuit for improvement of the workability and reliability.

The following table shows changes in the main parts with the serial numbers that are subject to the alterations of this time. For changes in exploded views and parts list, refer to the SECTION 5.

**Note :** This service manual mentions the parts that are changed this time and the replacing procedure of them, etc. Therefore, use this service manual together with the service manuals issued for the respective models.

Service manual No.9246C : BR-S822U, BR-S622U, BR-S522U

Service manual No.9272 : BR-S525U

		BR-S822U BR-S622U	BR-S522U	BR-S525U
Change in mechanism assembly	Main deck	Main deck used in BR-S800/BR-S500 serves in common.		
	Pinch roller solenoid	Peripheral parts of pinch roller, loading motor, etc. are changed. (to improve maintenance efficiency).		
	A/C head	Peripheral parts are changed to reduce off azimuth of A/C head after adjustment.		
	Full erase head	Head base is added with change of main deck.		
	Tension release solenoid	Removed		
	M-CTL/REEL SERVO board assembly	Change of software with removal of tension release solenoid.*1		
		IC1: Change to PGD30241C-10-9		IC1: Change to PGD30241C-11-13
DECK TERMINAL board assembly	Some parts are removed with removal of tension release solenoid. (CN103, CN104, D101, D102)			
Change in audio circuit	MOTHER-1 board assembly	PRK10113F-01	PRK10113B-01	PRK10149D
	MOTHER-2 board assembly	PRK10111F-01	PRK10111B-02	PRK10111D-02
	AUDIO-3 board assembly	PRK10115A	PRK10115C	
	FM AUDIO PRE/REC AMP board assembly	Removed		
	AVM/ONSC board assembly	PRK20089E		

\*1: The new software is programmed to avoid tape creep by reducing tape tension when the MENU No. 308/309 (LONG PAUSE) is set to "T.RELEASE".

Table 1-1 Changes in main parts

	BR-S822U	BR-S622U	BR-S522U	BR-S525U
MECHANISM assembly	#3601-	#3401-	#0601-	#1031-
AUDIO circuit	#3291-	#3151-	#0401-	#0931-

Table 1-2 Serial numbers subject to changes by model

# SECTION 2 MECHANISM ADJUSTMENT

## 2.1 CHANGES IN MECHANISM ASSEMBLY

In regard of the mechanism assembly, the mechanism used in the BR-S800U/BR-S500U is partially used in the 22 series, too, in order to improve workability in replacing parts such as the loading motor, pinch roller, etc.

The following table shows the main parts of the mechanism assembly with their standard replacement time.

The parts that are changed this time are shaded in the table.

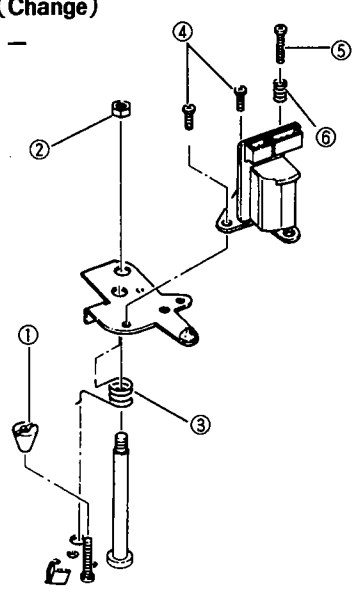
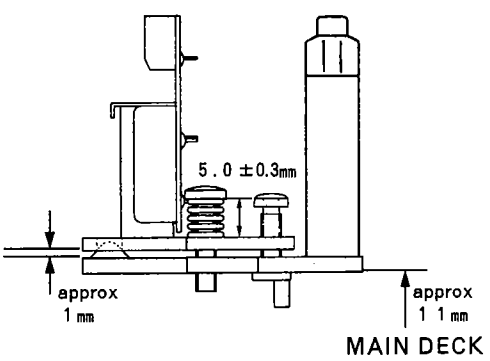
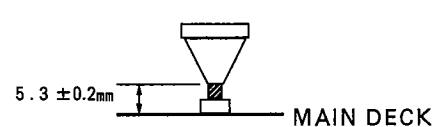
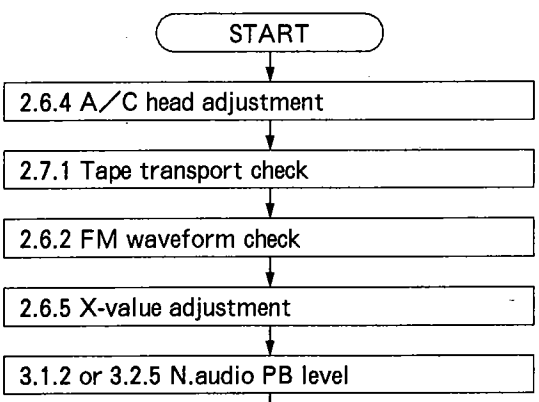
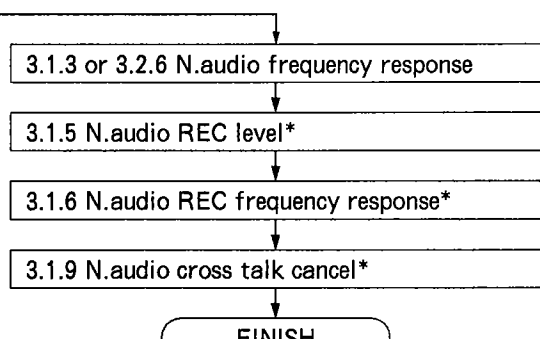
Besides them, the tension release solenoid and parts related to it are removed in the 22 series. For detail of the exploded view and part numbers, etc., refer to the exploded view in the SECTION 5 and parts list.

	No.	Part Name	Part Number	Standard service period				Description
				1000	2000	3000	4000	
Tape transport system	①	Supply guide shaft	—	★	★	★	★	—
	②	Tension arm ass'y	PRD44024B-02	★	★	★	●	Refer to the service manual issued before this.
	③	Supply guide roller	PRD43721A					Addition of head base.
	④	Full erase head	PGZ01841					
	⑤	Supply pole base ass'y	PRD30821E					Refer to the service manual issued before this.
	⑥	Supply inertia roller	PGZ01667					
	⑦	Take-up inertia roller	PGZ01667-02					
	⑧	Take-up pole base ass'y	PRD30864B					Removing procedure changes with change of A/C head.
	⑨	A/C head	PGZ01840					Change of head arm shape.
	⑩	Take-up guide pole	PRD44151A-01					Refer to the service manual issued before this.
	⑪	Guide arm roller ass'y	PRD43404D-04					
	⑫	Capstan shaft	—					
	⑬	Pinch roller arm ass'y	PRD43387A-01	○	●	○	●	Removing and reinstalling procedures change.
	⑭	Drum ass'y	PDV2272D	★	★	○	●	Refer to the service manual issued before this. Note : Carefully remove the drum assembly since there is wiring to the lower drum at the back of the main deck.
	⑮	Upper drum ass'y	PRD20380D	●	●	●	(●)	
Drive system	⑯	Capstan motor	PGZ01535-01-01				●	With change of assembling way, shape of motor bracket assembly, part numbers of solenoid assembly and other parts are changed.
	⑰	Reel motor	PGZ01541A-04				●	
	⑱	Loading motor	PRD44123A				●	Refer to the service manual issued before this.
	⑲	Loading belt	PRD30022-17 PRD30022-18	●	●	●	●	
	⑳	Cassette motor	PQ45489A				●	
	㉑	Supply main brake	PRD43388A-02		●		●	
	㉒	Take-up main brake	PRD43395A-02		●		●	
Others	㉓	Take-up sub brake	PRD43479A-01		●		●	
	㉔	Brush ass'y (A)/(B)	PRD43986A/B		●		(●)	—
	㉕	Slip ring ass'y	PGZ01872	○	●	○	(●)	
	㉖	Head cleaner	PRD40510-01-02	●	●	●	●	

★ =Cleaning. ○ =Check and Replace if necessary, or Check and Clean.

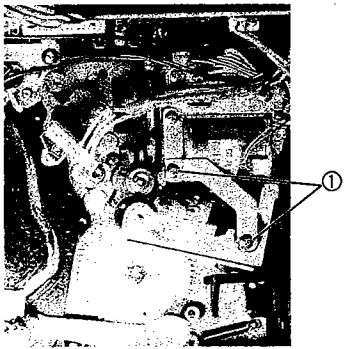
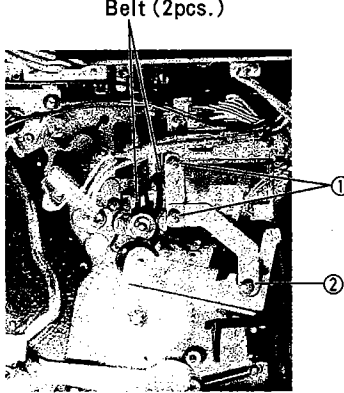
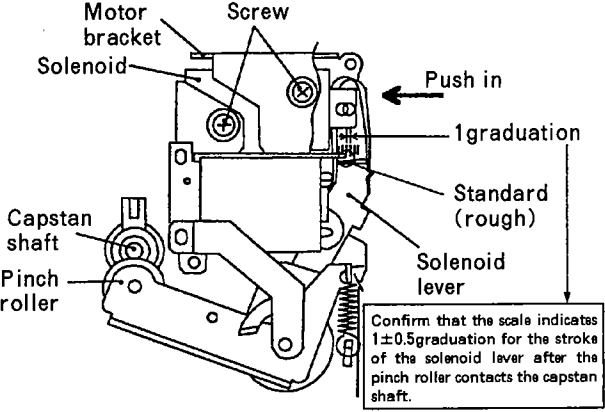
● =Replacement. (●)=Included in Drum assy.

**Note :** This service manual mentions the parts that are changed this time and the replacing procedure of them, etc.  
Therefore, use this service manual together with the service manuals issued for the respective models.

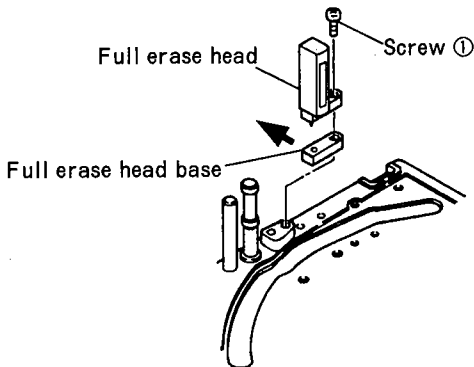
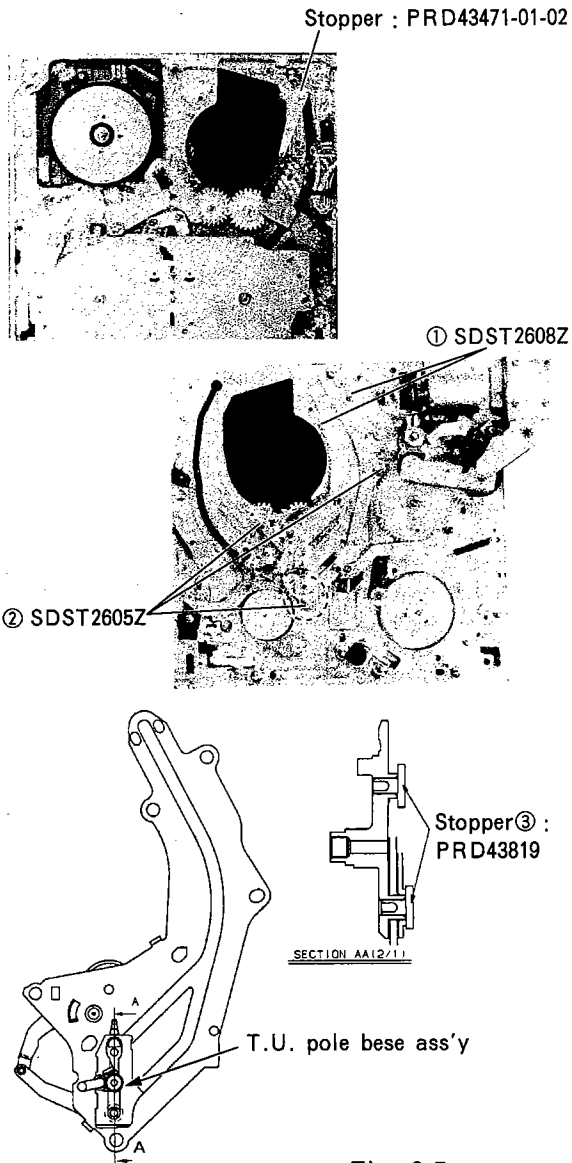
No.	Item	Adjustment and Check
1	<p><b>A/C head (Change)</b> — Removal —</p>  <p>Fig. 2-1</p>	<p>(1) Tools to prepare: • Ordinary screwdriver (—) • Nut driver : 5.5mm</p> <p>(2) Disconnect the connectors from the A/C HEAD board.</p> <p>(3) Remove the taper nut ① for X-value adjustment.</p> <p>(4) Remove the nut ② and then remove the A/C head together with the head base with care not to lose the spring ③.</p> <p>(5) Remove two screws ④ and a screw ⑤ to remove the A/C head. At that time pay careful attention to the spring ⑥ not to lose it.</p> <p>(6) Unsolder the A/C HEAD board and replace the A/C head with new one.</p>
	<p>— Reinstallation —</p>  <p>Fig. 2-2</p>	<p>(1) Before assembling the A/C head to the main deck, conduct rough adjustment of the head height as shown in Fig. 2-2.</p> <p>(2) Assemble the A/C head and its peripheral parts to the main deck in the reverse order of the disassembly.</p> <p>(3) When fitting the taper nut, temporarily adjust the height as shown in Fig. 2-3.</p>  <p>Fig. 2-3</p>
	<p>— Check and adjustment —</p> 	<p><b>Note:</b> Before confirming normal tape transport, do not use any alignment tape to prevent it from damage. Make sure to check tape transport with an ordinary recording tape beforehand.</p>  <p>* BR-S522U/BR-S525U need not these adjustments.</p>



**Note :** This service manual mentions the parts that are changed this time and the replacing procedure of them, etc.  
Therefore, use this service manual together with the service manuals issued for the respective models.

No.	Item	Adjustment and Check
2	<p><b>Pinch roller arm assembly (Change)</b></p>  <p>Fig. 2-4</p>	<p><b>Note:</b> Proceed to do the following work in the Assembly mode (see 2.4.1).</p> <ol style="list-style-type: none"> <li>(1) Remove the noise shutter. (BR-S525U only) <b>Note:</b> When installing the noise shutter to the pinch roller assembly, make sure to set the pinch roller assembly to downmost position or remove it.</li> <li>(2) Remove two screws ① and lift the pinch roller arm assembly upward to remove it.</li> <li>(3) When reinstalling, do it so as to position the cam of the pinch roller assembly on the rail of the solenoid bracket in the assembly mode.</li> <li>(4) Assemble the noise shutter to the pinch roller arm assembly. (BR-S525U only)</li> </ol>
3	<p><b>Mode motor (Change)</b></p>  <p>Fig. 2-5</p>	<ol style="list-style-type: none"> <li>(1) Disengage the belt from the motor pulley.</li> <li>(2) Remove two screws ① and one screw ②, then detach the mode motor together with the motor bracket.</li> <li>(3) Remove two screws fixing the mode motor to the motor bracket to detach the motor from the bracket.</li> <li>(4) Unsolder wires and remove the motor from the board.</li> </ol>
4	<p><b>Pinch roller solenoid position (Addition)</b></p>  <p>Fig. 2-6</p>	<ol style="list-style-type: none"> <li>(1) Turn the mode motor in the direction of loading (toward the rear side) to set the mechanism in the loading end state.</li> <li>(2) Turn the mode motor further in the same direction (rearward) to move the pinch roller arm to the downmost position.</li> <li>(3) Press down the solenoid lever moreover while checking that the reading of the stroke from the step (2) to the moreover pressed point is <math>1 \pm 0.5</math> graduation on the scale located on the solenoid lever.</li> <li>(4) When reading is out of <math>1 \pm 0.5</math> graduation, loosen the two screws and adjust the solenoid position.</li> </ol>

**Note :** This service manual mentions the parts that are changed this time and the replacing procedure of them, etc.  
Therefore, use this service manual together with the service manuals issued for the respective models.

No.	Item	Adjustment and Check
5	<p><b>Full erase head (Addition)</b></p>  <p>Full erase head</p> <p>Screw ①</p> <p>Full erase head base</p> <p>Fig. 2-4</p>	<ol style="list-style-type: none"> <li>(1) Remove one screw ①.</li> <li>(2) Disconnect wires from the full erase head and then lift the full erase head for removing.</li> <li>(3) Fix the full erase head and the full erase head base to the main deck with the screw ① as shown in the figure.</li> <li>(4) Check that the full erase head and the base are firmly fixed to the main deck.</li> <li>(5) If the full erase head is in unstable setting, slide the full erase head in the direction of the arrow (away from the drum assembly) and fix it again.</li> </ol>
6	<p><b>Pole base assembly (Change)</b></p>  <p>Stopper : PRD43471-01-02</p> <p>① SDST2608Z</p> <p>② SDST2605Z</p> <p>Stopper③ : PRD43819</p> <p>SECTION AA(2/1)</p> <p>T.U. pole base ass'y</p> <p>Fig. 2-5</p>	<ol style="list-style-type: none"> <li>(1) Remove the mechanism ass'y (see 2.3.8).</li> <li>(2) Remove two stoppers ③ and lift the pole base assembly for removing with care of the collar between the pole base and stopper not to lose it.</li> <li>(3) <b>Supply pole base</b> <ol style="list-style-type: none"> <li>① Turn the loading motor counterclockwise to set the mechanism to the loading end position.</li> <li>② After removing the stopper, lift the pole base ass'y upward while removing it.</li> </ol> </li> <li>(4) <b>Take-up pole base</b> <ol style="list-style-type: none"> <li>① Remove the A/C head ass'y.</li> <li>② Remove two screws ① and three screws ②, then take the T.U. loading ass'y away. When removing the screws ②, be careful not to lose spacer.</li> <li>③ Remove two stoppers ③ and lift the pole base ass'y upward to remove it.</li> </ol> </li> <li>(5) For installing the T.U. loading assy pay careful attention to the item No.2 of "2.4 Assembling of Mechanism".</li> <li>(6) After replacing the TU pole base, check the following items. <ol style="list-style-type: none"> <li>① A/C head adjustment (see 2.6.4).</li> <li>② Tape transport check (see 2.7.1).</li> <li>③ FM waveform check (see 2.6.2).</li> </ol> </li> </ol>

# SECTION 3 ELECTRICAL ADJUSTMENT

With the change that the FM AUDIO PRE/REC AMP board is incorporated in the AUDIO-3 board, adjustment procedure of the audio circuit is changed to as mentioned below.

Therefore, for adjusting the audio circuit with the new AUDIO-3 board (PRK10115) refer to the procedure mentioned below, while for adjusting the circuit with the old board (PRK10062) refer to the service manual issued previously.

## 3.1 AUDIO CIRCUIT (BR-S822U/BR-S622U)

**Note** • All adjustment values are balanced values with 600Ω resistance.

• Turn off the MEMORY switch No.201 (DOLBY NR) unless otherwise indicated.

• When using an oscilloscope for observing waveforms, etc., use the 10:1 probe.

No.	Item	Check point	Adjustment	Signal	Mode	Check and Adjustment
1	AUDIO REC LEVEL VR setting & AUDIO LEVEL METER adjustment	HiFi AUDIO OUT (600Ω terminator)	R87 : 2E (Lch) R88 : 2E (Rch) (AUDIO-2)	1kHz/ -6dBs ↓ HiFi AUDIO IN	E-E	1) Set the AUDIO MONITOR switch to the "Hi-Fi" position.  2) Adjust output level at the HiFi AUDIO output terminal to be -6.0dBs with the HiFi REC LEVEL VR.  <div><b>Note</b> For the following adjustment, leave the Hi-Fi AUDIO REC LEVEL VR as it is set in the step 2).</div> 3) Reading the AUDIO LEVEL METER head-on, adjust R87(L-ch) and R88(R-ch) so that the meter reads 0.0dB respectively.
		N. AUDIO OUT (600Ω terminator)	-	1kHz/ -6dBs ↓ N. AUDIO IN	E-E	1) Set the AUDIO MONITOR switch to the "NORM" position.  2) Adjust output level at the N.AUDIO output terminal to be -6.0dBs with the N.AUDIO REC LEVEL VR.  <div><b>Note</b> For the following adjustment, leave the N.AUDIO REC LEVEL VR as it is set in the step 2).</div> 3) Read the AUDIO LEVEL METER head-on while confirming that the pointer indicates $0.0 \pm 0.5\text{dB}$ . <b>Note:</b> Confirm that level difference between R and L channels is within 0.5dB.
2	Normal Audio playback level	N. AUDIO OUT (600Ω terminator)	R25 : 7E (Lch) R26 : 5E (Rch) (AUDIO-1)  <div>Playback level : -6.0dBs</div>	MBA	PB	1) Make sure of the MEMORY switch No.201 (DOLBY NR) being set to "OFF".  2) Adjust R25(L-ch) and R26(R-ch) so that each output level is -6.0dBs. <b>Note:</b> Adjust the TRACKING VR to the best tracking position.  <div><b>Note</b> Confirm that the meter pointer does not overshake in the Search FWD/ REV mode.</div>
3	Normal Audio playback frequency response	N. AUDIO OUT (600Ω terminator)	R125 : 6B (Lch) R126 : 5C (Rch) (AUDIO-1)  <div>- Rated frequency response -</div>	MH-6	PB	1) Make sure of the MEMORY switch No.201 (DOLBY NR) being set to "OFF".  2) With the alignment tape MH-6, confirm that playback level of the 100Hz signal is -0.5dB as against playback level of the 400Hz signal.  3) With the same tape used, adjust R125(L-ch) and R126(R-ch) so that playback level of the 10kHz signal is +1.8dB compared with that of the 400Hz signal. <b>Note:</b> Adjust the TRACKING VR to the best tracking position.

400Hz	100Hz	10kHz
0dB (Reference)	-0.5 ± 2.0dB	+1.8dB

**Note** • All adjustment values are balanced values with 600Ω resistance.

• Turn off the MEMORY switch No.201 (DOLBY NR) unless otherwise indicated.

No.	Item	Check point	Adjustment	Signal	Mode	Check and Adjustment
4	Audio bias frequency & level	TP5 : 9C (AUDIO-1) ↓ Frequency counter	L405 : 11D (AUDIO-1)  TP5 : 70±3kHz	No input signal	REC S-VHS	1) Adjust frequency at TP5 to be 70kHz.
		TP5 : 9C (Lch) TP6 : 4A (Rch) (AUDIO-1) ↓ Oscilloscope	T401 : 10G (Lch) T402 : 11E (Rch) (AUDIO-1)  TP5,TP6 : Maximum	No input signal	REC S-VHS	2) Turn R425 and R426 on the AUDIO1 board full clockwise. In this condition, adjust T401(L-ch) and T402(R-ch) to maximize bias oscillation respectively. (more than 80Vp-p)
			R425 : 10G (Lch) R426 : 10E (Rch) (AUDIO-1)  TP5,TP6 : 65Vp-p	No input signal	REC S-VHS	3) Adjust R425 (L-ch) and R426 (R-ch) to obtain 65Vp-p as respective bias levels. <b>Note: The above bias levels may be readjusted later in the Item No.6.</b>
			R455 : 11F (Lch) R456 : 12F (Rch) (AUDIO-1)  Bias level : 52Vp-p	No input signal	REC VHS	4) Perform recording without signal input in the VHS mode. 5) Adjust R455(L-ch) and R456(R-ch) to obtain 52Vp-p as respective bias levels. <b>Note: The above bias levels may be readjusted later in the Item No.6.</b>
5	Normal Audio REC/PB	N. AUDIO OUT (600Ω terminator)	R7 : 8F (Lch) R8 : 6F (Rch) (AUDIO-1)  Playback level : -6.0±0.5dBs	1kHz/-6dBs ↓ N. AUDIO IN	REC VHS ↓ PB	1) Record the 1kHz/-6dBs signal and play it back. 2) Confirm that the playback level is -6.0±0.5dBs on R and L channels respectively (level difference between channels must be within 0.5dB.). 3) When playback level is out of the the specifications, roughly adjust R7(L-ch) or R8(R-ch), and repeat the above steps 1) and 2) until the adjustment brings satisfactory result.
			-  Playback level : -5.5±1.0dBs	1kHz/-6dBs ↓ N. AUDIO IN	REC S-VHS ↓ PB	4) Record the 1kHz/-6dBs signal and play it back. 5) Confirm that the playback level is -5.5±1.0dBs.

- Turn off the **MEMORY** switch No.201 (**DOLBY NR**) unless otherwise indicated.

3-3

**Note** • All adjustment values are balanced values with 600Ω resistance.

• Turn off the MEMORY switch No.201 (DOLBY NR) unless otherwise indicated.

No.	Item	Check point	Adjustment	Signal	Mode	Check and Adjustment
7	Full erase frequency	TP403 : 9A (AUDIO-1) ↓ Frequency counter	T405 : 9A (AUDIO-1)	No input signal	REC VHS	1) Adjust T405 so that frequency at TP403 becomes 70kHz.  <div>TP403 : 70 ± 6kHz</div>
8	BR-S822U Audio insert erase voltage	TP401 : 9B (AUDIO-1) ↓ Oscilloscope	T403 : 11C (AUDIO-1)	No input signal	AUD-1 INSERT VHS	1) Perform the AUD-1 insert editing. 2) Adjust T403 to maximize erase level at TP401 (more than 200mVp-p). <i>Note: After this adjustment, repeat the AUD-1 insert editing while confirming the erase level being the same as adjusted in the step 2).</i>  <div>Lch erase level : Maximum</div>
		TP402 : 9B (AUDIO-1) ↓ Oscilloscope	T404 : 11B (AUDIO-1)	No input signal	AUD-2 INSERT VHS	3) Perform the AUD-2 insert editing. 4) Adjust T404 to maximize erase level at TP402 (more than 200mVp-p). <i>Note: After this adjustment, repeat the AUD-2 insert editing while confirming the erase level being the same as adjusted in the step 4).</i>  <div>Rch erase level : Maximum</div>
	BR-S622U Audio post-recording erase voltage	TP402 : 9B (AUDIO-1) ↓ Oscilloscope	T404 : 11B (AUDIO-1)	No input signal	AUDIO DUB VHS	1) Perform audio dubbing (postrecording). 2) Adjust T404 to maximize erase level at TP402 (more than 200mVp-p). <i>Note: After this adjustment, repeat the audio dubbing operation while confirming the erase level being the same as adjusted in the step 2).</i>  <div>Rch erase level : Maximum</div>
		TP401 : 9B (AUDIO-1) ↓ Oscilloscope	T403 : 11C (AUDIO-1)	No input signal	REC VHS	3) Adjust T403 to maximize erase level at TP401. <i>Note: After this adjustment, set the deck to the REC mode again while confirming the erase level being the same as adjusted in the step 3).</i>

Note • All adjustment values are balanced values with 600Ω resistance.

• Turn off the MEMORY switch No.201 (DOLBY NR) unless otherwise indicated.

No.	Item	Check point	Adjustment	Signal	Mode	Check and Adjustment
9	BR-S822U Normal audio insert crosstalk cancel	N. AUDIO OUT (600Ω terminator)	R302 : 4D (AUDIO-1)	1kHz/ -6dBs ↓ N. AUDIO	AUD-1 INSERT VHS	1) Perform AUD-1 insert editing with a tape on which no audio signal is recorded. 2) Adjust R302 to minimize output level on R-ch. <i>Note: For this adjustment, use a tape on which normal audio signal is not recorded.</i>
		Rch output level : Minimum	R301 : 5D (AUDIO-1)	1kHz/ -6dBs ↓ N. AUDIO	AUD-2 INSERT VHS	3) Perform AUD-2 insert editing with a tape on which no audio signal is recorded. 4) Adjust R301 to minimize output level on L-ch. <i>Note: For this adjustment, use a blank tape on which any signal is not recorded.</i>
		Lch output level : Minimum	R320 : 5D L302 : 5C (AUDIO-1)	10kHz/ -6dBs ↓ N. AUDIO IN	AUD-1 INSERT VHS	5) Perform AUD-1 insert editing with a tape on which no audio signal is recorded. 6) Adjust R320 and L302 to minimize output level on R-ch. <i>Note: Repeat the above steps 5), 6) and 7), 8) until respective output levels are minimized.</i>
		Rch output level : Minimum	R319 : 6D L301 : 6C (AUDIO-1)	10kHz/ -6dBs ↓ N. AUDIO IN	AUD-2 INSERT VHS	7) Perform AUD-2 insert editing with a tape on which no audio signal is recorded. 8) Adjust R319 and L301 to minimize output level on L-ch. <i>Note: Repeat the above steps 5), 6) and 7), 8) until respective output levels are minimized.</i>
	BR-S622U Normal audio post- recording crosstalk cancel	N. AUDIO OUT (600Ω terminator)	R301 : 5D (AUDIO-1)	1kHz/ -6dBs ↓ N. AUDIO	AUDIO DUB VHS	1) Perform audio dubbing (postrecording) with a tape on which no audio signal is recorded. 2) Adjust R301 to minimize output level on L-ch.
		Lch output level : Minimum	R319 : 6D L301 : 6C (AUDIO-1)	10kHz/ -6dBs ↓ N. AUDIO IN	AUDIO DUB VHS	3) With the 10kHz/-6dBs signal input, perform audio dubbing (postrecording). 4) Adjust R319 and L301 to minimize output level on L-ch.
	BR-S822U Normal audio insert bias trap	TP7 : 8E (AUDIO-1) ↓ Oscilloscope	L9 : 7F (AUDIO-1)	No input signal	AUD-2 INSERT VHS	1) Perform AUD-2 (R-ch) insert editing. 2) Adjust L9 to minimize bias level (70kHz) at TP7.
		TP8 : 6E (AUDIO-1) ↓ Oscilloscope	L10 : 4F (AUDIO-1)	No input signal	AUD-1 INSERT VHS	3) Perform AUD-1 (L-ch) insert editing. 4) Adjust L10 to minimize bias level (70kHz) at TP8.
10	BR-S822U Normal audio insert bias trap	TP7 : 8E (AUDIO-1) ↓ Oscilloscope	L9 : 7F (AUDIO-1)	No input signal	AUD-2 INSERT VHS	1) Perform AUD-2 (R-ch) insert editing. 2) Adjust L9 to minimize bias level (70kHz) at TP7.
	BR-S622U Normal audio post- recording bias trap	TP7 : 8E (AUDIO-1) ↓ Oscilloscope	L9 : 7F (AUDIO-1)	No input signal	AUDIO DUB VHS	1) Perform audio dubbing. 2) Adjust L9 to minimize bias (70kHz) at TP7.

**Note** • All adjustment values are balanced values with 600Ω resistance.

• Turn off the MEMORY switch No.201 (DOLBY NR) unless otherwise indicated.

No.	Item	Check point	Adjustment	Signal	Mode	Check and Adjustment
11	BR-S822U Time code bias trap	TP601 : 2B (AUDIO-1) ↓ Oscilloscope	L601 : 3A (AUDIO-1)  TP601 : Minimum	No input signal	AUD-1 INSERT VHS	1) Make sure of MEMORY switch No.206(AUD-2/ LTC) being set to "LTC". 2) Perform AUD-1 insert editing. 3) Adjust L601 to minimize level at TP601. 4) After the adjustment, return the MEMORY switch to "AUD-2" position.
12	Hi-Fi audio carrier frequency	TP7 (AUDIO-3) ↓ Frequency counter	R29 (AUDIO-3)	No input signal	REC VHS	1) Set the MEMORY switch No.200(HiFi REC) to "ON" position. 2) Adjust R29 so that frequency at TP7 becomes $1.300 \pm 0.002\text{MHz}$ .
		TP8 (AUDIO-3) ↓ Frequency counter	R30 (AUDIO-3)	No input signal	REC VHS	3) Adjust R30 so that frequency at TP8 becomes $1.700 \pm 0.002\text{MHz}$ .
13	Hi-Fi audio FM output level	A-RF terminal (Front panel) ↓ Oscilloscope	R55 (AUDIO-3)	MHAF-3	PB	1) Adjust R55 so that FM output level at the A-RF terminal inside the front panel becomes 100mVp-p. <b>Note: If there is level difference in two channels, adjust the level by the channel having the lower level. Adjust the TRACKING VR to the best tracking position.</b>
14	Hi-Fi audio PB level	HiFi AUDIO OUT (600Ω terminator)	R15 (Lch) R16 (Rch) (AUDIO-3)	MHAF-3 (1kHz)	PB	1) With the alignment tape MHAF-3 being played back, adjust R15(L-ch) and R16(R-ch) so that playback level of the 1kHz signal is -6.0dBs. <b>Note: Adjust the TRACKING VR to the best tracking position.</b>



## 3.2 AUDIO CIRCUIT (BR-S522U/BR-S525U)

**Note** • All adjustment values are balanced values with 600Ω resistance.

• Turn off the memory switch No.201 (DOLBY NR) unless otherwise indicated.

No.	Item	Check point	Adjustment	Signal	Mode	Check and Adjustment						
1	Hi-Fi audio carrier frequency	TP7 (AUDIO-3) ↓ Frequency counter	R29 (AUDIO-3)	—	No cassette	1) Adjust R29 so that frequency at TP 7 becomes $1.300 \pm 0.002\text{MHz}$ .						
		TP8 (AUDIO-3) ↓ Frequency counter	R30 (AUDIO-3)	—	No cassette	1) Adjust R30 so that frequency at TP 8 becomes $1.700 \pm 0.002\text{MHz}$ .						
2	Hi-Fi audio PB level	HiFi AUDIO OUT (600Ω terminator)  Hi-Fi audio PB level : -6.0dBs	R15 (Lch) R16 (Rch) (AUDIO-3)	MBAF-3 or MH-F6	PB	1) Set the AUDIO PB LEVEL VR to the preset mode (knob is depressed). 2) Play back the 1kHz segment of the alignment tape MBAF-3 or MH-F6 while adjusting R15(L-ch) and R16(R-ch) to obtain -6.0 dBs as the playback level of the 1kHz signal respectively.						
3	HiFi AUDIO LEVEL METER	HiFi AUDIO OUT (600Ω terminator)  AUDIO LEVEL METER : 0.0dBs	R87 : 2E (Lch) R88 : 2E (Rch) (AUDIO-2)	MBAF-3 or MH-F6	PB	1) Set the AUDIO MONITOR switch to the "Hi-Fi" position. 2) Adjust output level at the HiFi AUDIO output terminal to be -6.0dBs with the HiFi PB LEVEL VR. 3) Reading the AUDIO LEVEL METER head-on, adjust R87(L-ch) and R88(R-ch) so that the meter reads 0.0dB respectively.						
4	Hi-Fi audio FM output level	A-RF terminal (Front panel) ↓ Oscilloscope	R55 (AUDIO-3)	MBAF-3	PB	1) Adjust R55 so that FM output level at the A-RF terminal inside the front panel becomes 100mVp-p. <b>Note: If there is channel difference, adjust at the smaller level.</b>						
5	Normal Audio playback level	N. AUDIO OUT (600Ω terminator)  Playback level : -6.0dBs  <b>Note Confirm that the meter pointer does not overshake in the Search FWD/ REV mode.</b>	R25 : 7E (Lch) R26 : 5E (Rch) (AUDIO-1)	MBA	PB	1) Confirm that the MEMORY switch No. 201 (DOLBY NR) is set to "OFF". 2) Set the AUDIO PB LEVEL VR to the preset mode (knob is depressed). 3) Play back the alignment tape MBA. 4) Adjust R25 (L-ch) and R26 (R-ch) to obtain -6.0 dBs as the output level.						
6	Normal Audio playback frequency response	N. AUDIO OUT (600Ω terminator)  - Rated frequency response - <table><tr><td>400Hz</td><td>100Hz</td><td>10kHz</td></tr><tr><td>0dB (Reference)</td><td><math>-0.5 \pm 2.0\text{dB}</math></td><td>+1.8dB</td></tr></table>	400Hz	100Hz	10kHz	0dB (Reference)	$-0.5 \pm 2.0\text{dB}$	+1.8dB	R125 : 6B (Lch) R126 : 5C (Rch) (AUDIO-1)	MH-6	PB	1) Make sure of the MEMORY switch No.201 (DOLBY NR) being set to "OFF". 2) With the alignment tape MH-6, confirm that playback level of the 100Hz signal is -0.5dB as against playback level of the 400Hz signal. 3) With the same tape used, adjust R125(L-ch) and R126(R-ch) so that playback level of the 10kHz signal is +1.8dB compared with that of the 400Hz signal.
400Hz	100Hz	10kHz										
0dB (Reference)	$-0.5 \pm 2.0\text{dB}$	+1.8dB										



## SECTION 4

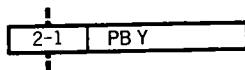
### DIAGRAMS AND CIRCUIT BOARDS

#### ■ FOREWORD

##### 1. Expression of connector

Connector is expressed in two ways.

1) The following illustrates 'CN2 pin 1' for example.



2) The following illustrates 'CN1 pins 1 and 2'.



##### 2. Expression of wiring

As the following circuit diagram is divided to print on some sheets, such an indication as the following is found in the case the wiring extends over two or more divided sections.

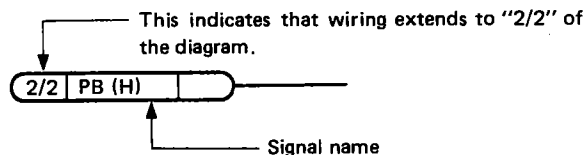
1) Circuit diagram divided into two or more sections:

Board No.	Board Name	Number of divided sections
02	MOTER-2	2 (1/2~2/2)
10	REC/PB Y	2 (1/2~2/2)
12	REC/PB COLOR	2 (1/2~2/2)
19	OUTPUT	2 (1/2~2/2)
21	AUDIO-1	3 (1/3~3/3)
23	AUDIO-3	2 (1/2~2/2)
31	M CTL/REEL SERVO	2 (1/2~2/2)
—	OVERALL	2 (1/2~2/2)

2) Indication of wiring which extends to another section:

(Example)

On the "1/2" diagram of REC/PB Y board, such an indication as the following is found on the "PB (H)" signal line.



In the above case, the end of the wiring is connected to the "2/2-PB (H)" on the 2nd section of the diagram.

##### 3. Wiring of connector

(Example)



In the above example, CN1 is connected with CN2 on 1 2 SYSCON board.

**Note:** When one end of the connector's wiring is the MOTHER board, further destination of the wiring after the MOTHER board is shown in ( ) nearby the connector.

##### 4. Signal flow on the diagram

The following arrow marks indicate the specified signal paths respectively.

- ➡ : RECORDING or EE signal path
- ➡ : PLAYBACK signal path
- ➡ : REC/PLAY signal path

##### 5. Measurement of voltage and waveform

1) Voltage

Measured by digital voltmeter in REC mode.

Value in ( ) shows voltage in S-VHS PB mode, and it is indicated only in the case PB voltage is different from that in REC.

2) Waveform

Video: Unless otherwise indicated, (a) color bars signal input through LINE IN terminal in REC in S-VHS mode, (b) color bars signal of MHV-2H alignment tape in PB.

##### 6. Unit of value

Unless otherwise specified:

- 1) Resistance is in  $\Omega$  (1/6 W)
- 2) Capacitance in  $\mu F$
- 3) Inductance in  $\mu H$
- 4) Screened parts (in ) are important for safety assurance. When replacing them, use specified parts.
- 5) Values without any indication in ( ) are common to the BR-S822, BR-S622, BR-S522 and BR-S525.

## 4.1 CIRCUIT BOARD LOCATIONS

### • Index to board by kind of diagram

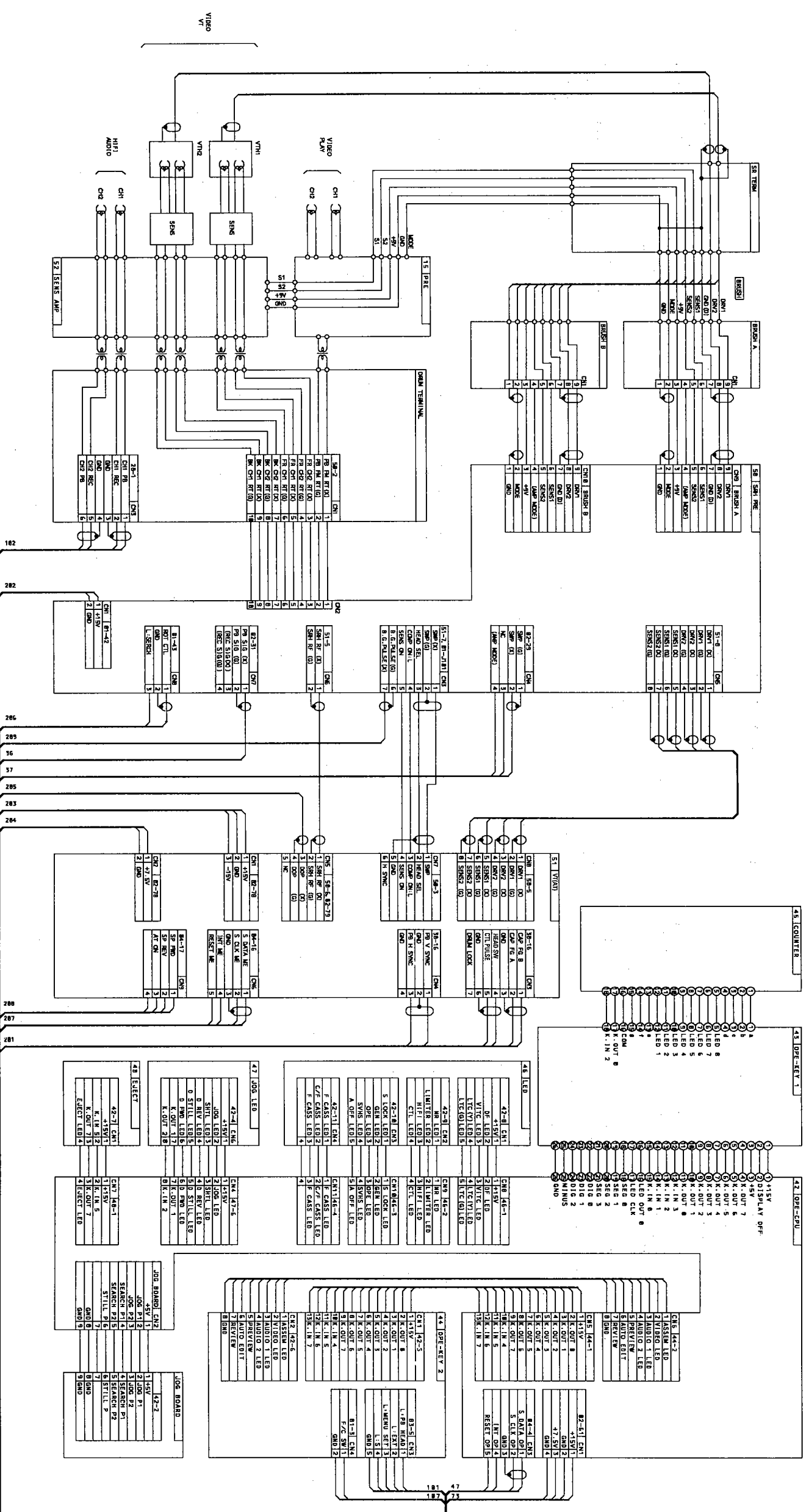
This section contains merely the diagrams of the circuit boards that have been changed. For other circuit boards, refer to the service manual for BR-S822U/BR-S622U/BR-S522U/BR-S525U.

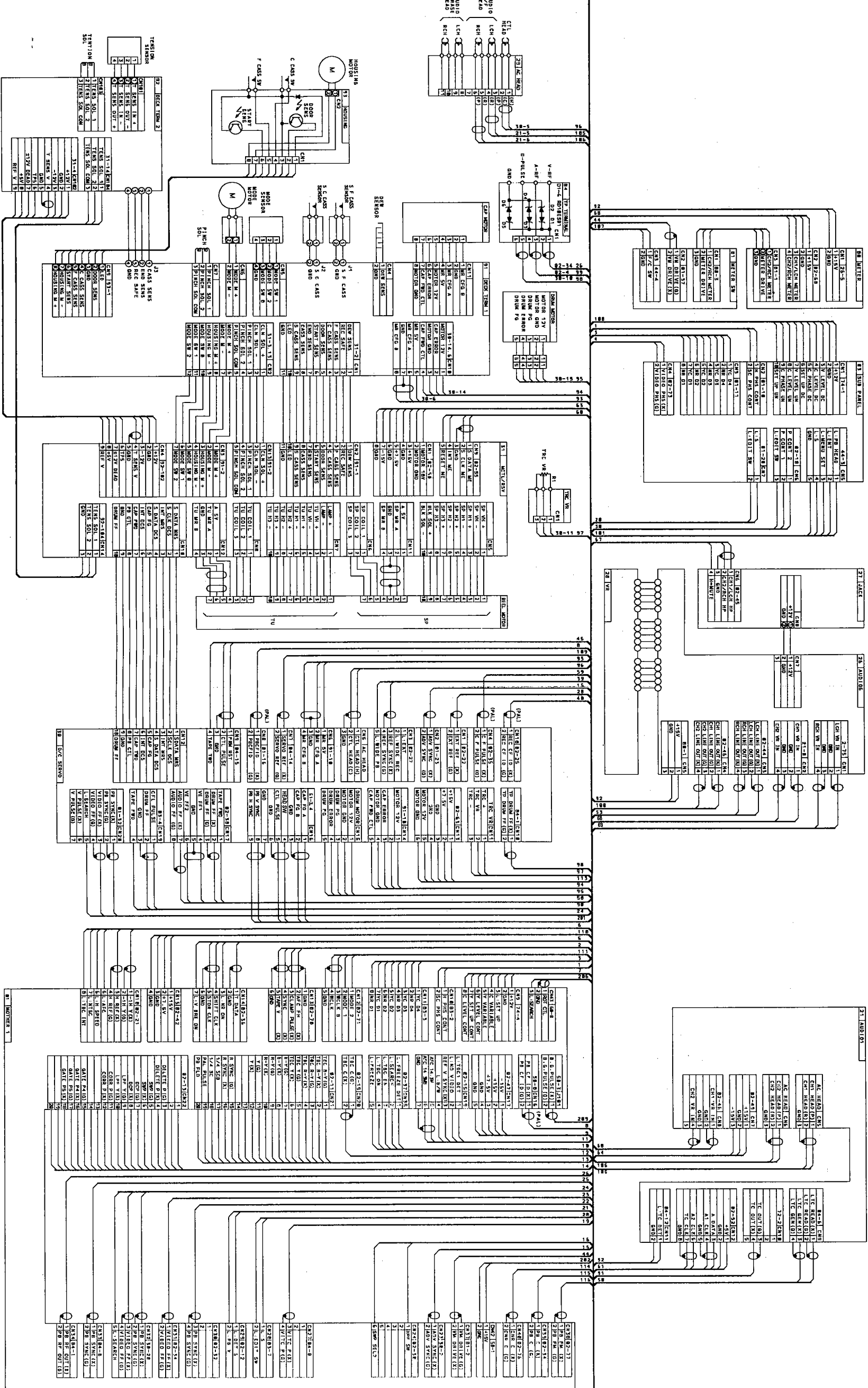
The Board Numbers (□□) appearing in this section are the same as those in the service manual.

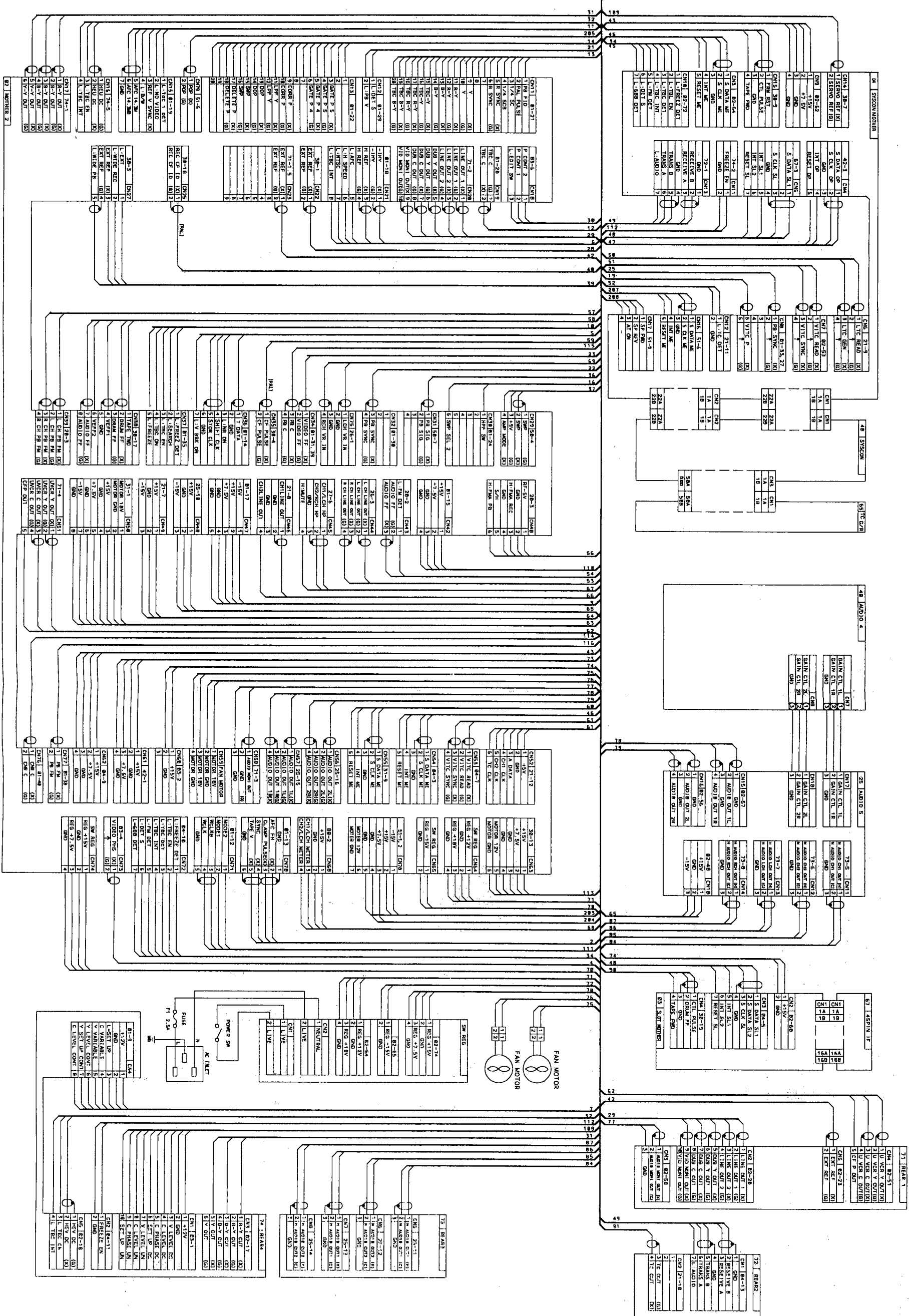
Board No.	Board Name	Page of diagram			
		Block diagram	Schematic diagram	Circuit board	Parts list
01	MOTHER-1	—	4-8	4-9,4-18	6-2
02	MOTHER-2	—	4-10,11	4-12	6-3
03	SLOT MOTHER	—	*1	*1	*1
04	SYSCON MOTHER	—	*1	*1	*1
05	FUSE	—	*1	*1	*1
10	REC/PB Y (NC LIM INC.)	*1	*1	*1	*1
12	REC/PB C (CTC DL, CNR DL, DELAY TP INC.)	*1	*1	*1	*1
15	PRE/REC	—	*1	*1	*1
16	R/P ADJUST	*1	*1	*1	*1
17	Y COMB (1H DELAY 4FSC INC.)	*1	*1	*1	*1
19	OUTPUT	*1	*1	*1	*1
20	FMA PRE/REC	*1	*1	*1	*1
21	AUDIO-1	*1	*1	*1	*1
22	AUDIO-2	*1	*1	*1	*1
23	AUDIO-3	*1	4-14,15	4-13	6-3 ~ 5
24	AUDIO-4	*1	*1	*1	*1
25	AUDIO-5	*1	*1	*1	*1
26	AUDIO-6	*1	*1	*1	*1
27	JACK	*1	*1	*1	*1
28	VR	*1	*1	*1	*1
26	AUDIO-6	—	*1	*1	*1
27	JACK	—	*1	*1	*1
28	VR	—	*1	*1	*1
29	A/C HEAD	—	—	*1	*1
30	D/C SERVO	*1	*1	*1	*1
31	M-CTL/REEL SERVO	*1	*1	*1	*1
40	SYSCON	*1	*1	*1	*1
41	AV MICOM/ON SCREEN	*1	4-16	4-17	6-6 ~ 8
42	OPERATION (43, 44, 46, 47, 48 INC.)	—	*1	*1	*1
45	COUNTER DISPLAY	—	*1	*1	*1
71	REAR-1 (72 -2, 73 -3 INC.)	*1	*1	*1	*1
80	METER (81 SWITCH, 82 TRACKING VR INC.)	*1	*1	*1	*1
83	SUB PANEL (84 TP TERMINAL INC.)	—	*1	*1	*1
91	DECK TERMINAL (92 -2 INC.)	—	*1	*1	*1
93	CASSETTE HOUSING	—	—	*1	*1

\*1: Refer to the BR-S822U/BR-S622U/BR-S522U/BR-S525U.

4.2 OVERALL WIRING DIAGRAM (BR-S525)  
— DIAGRAM (1/3) —



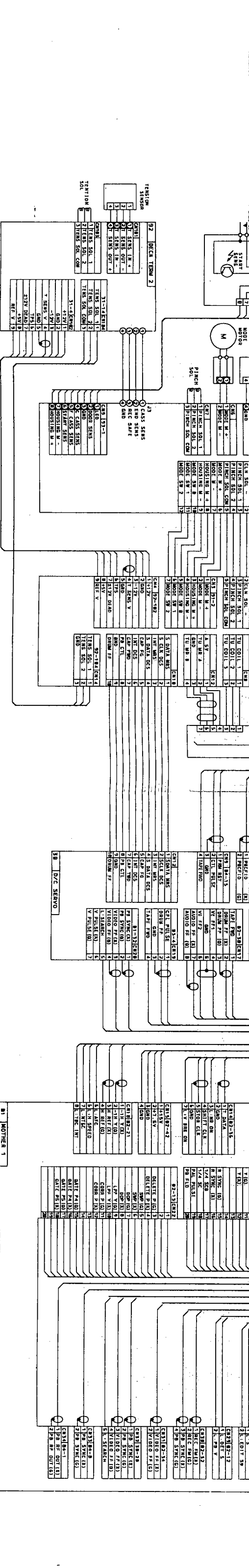
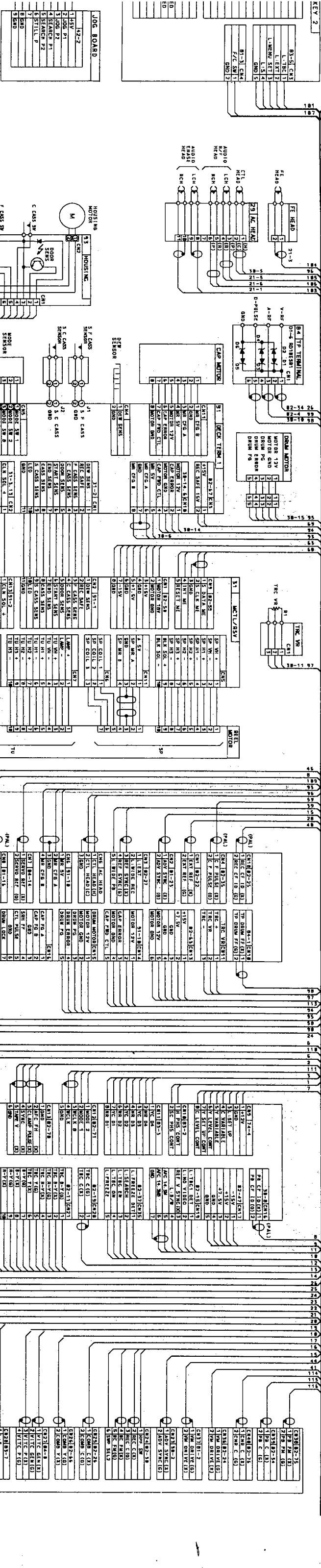
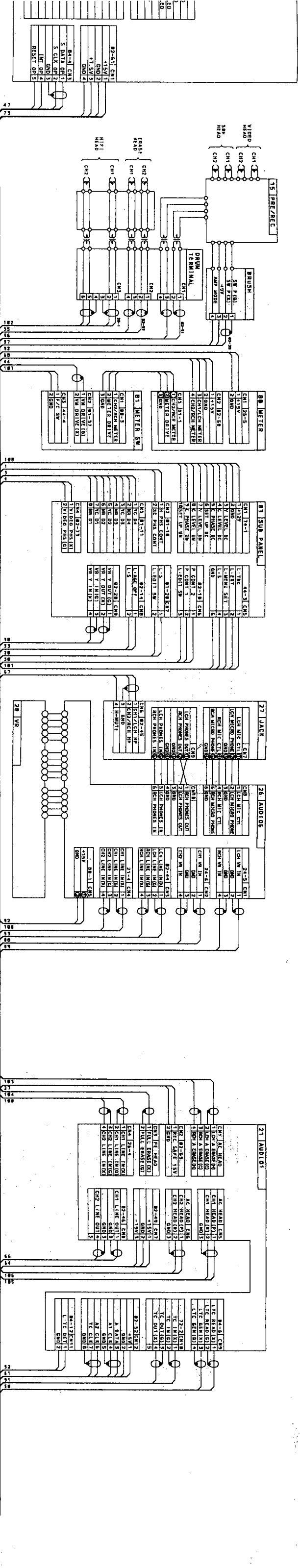


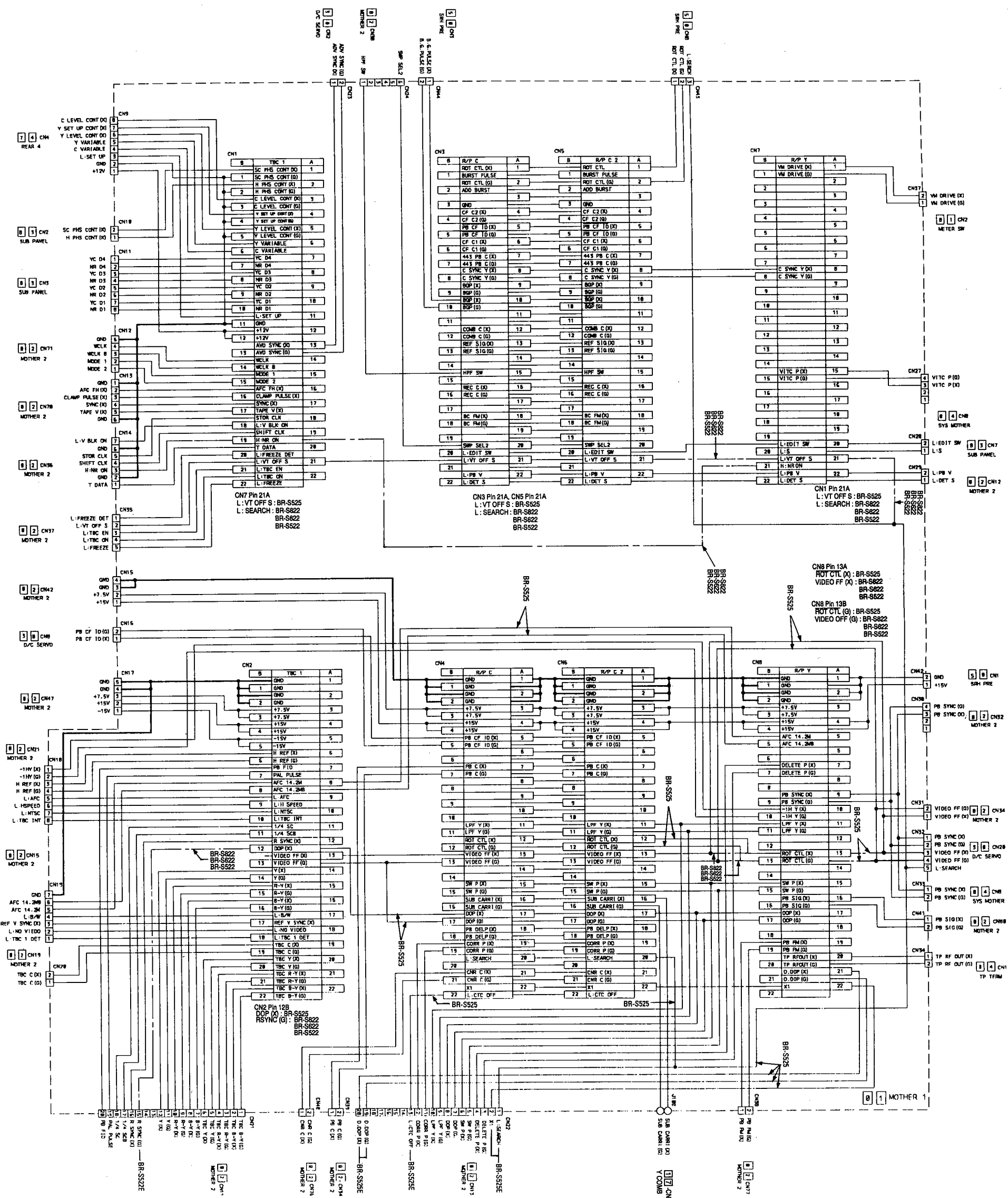


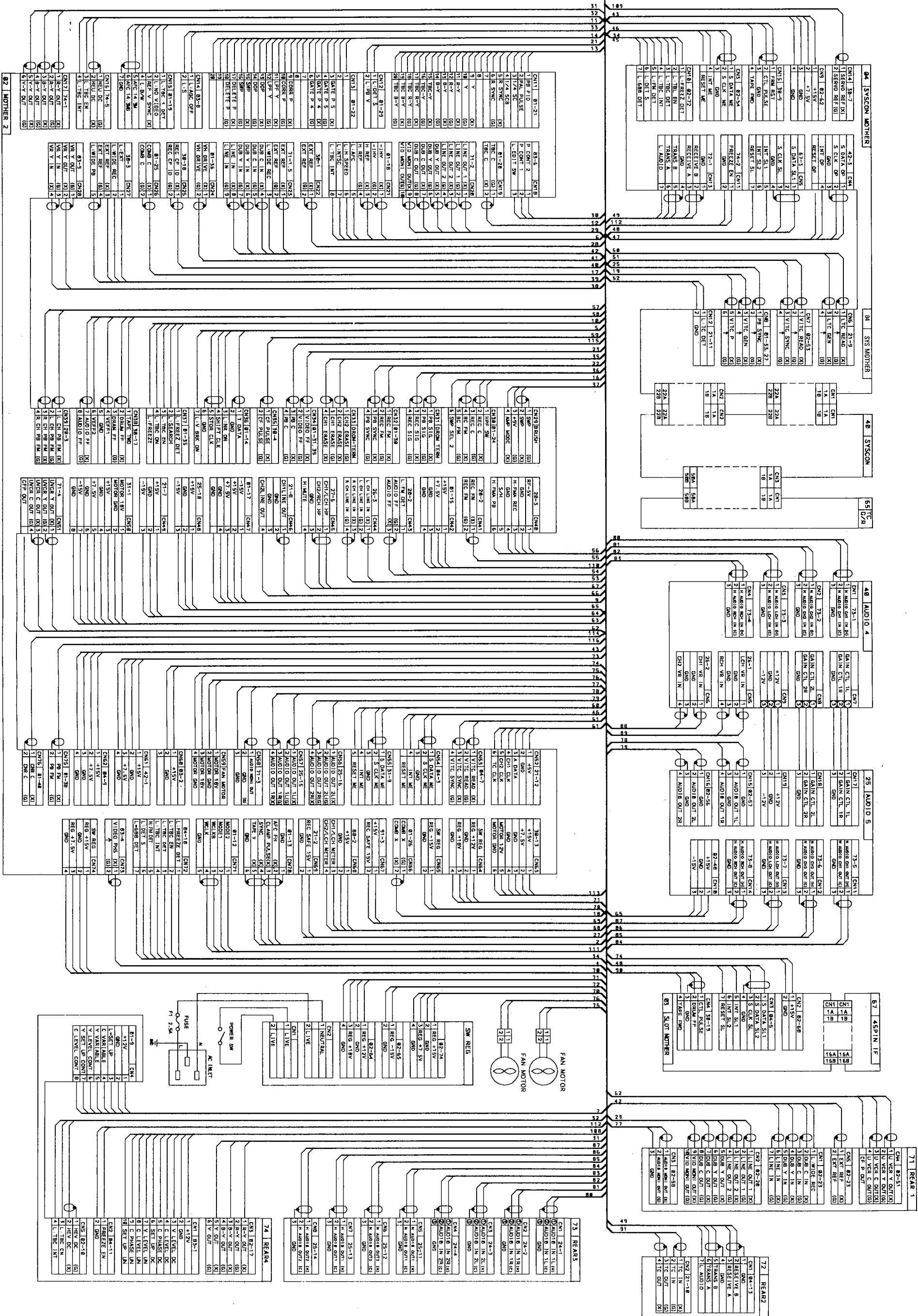


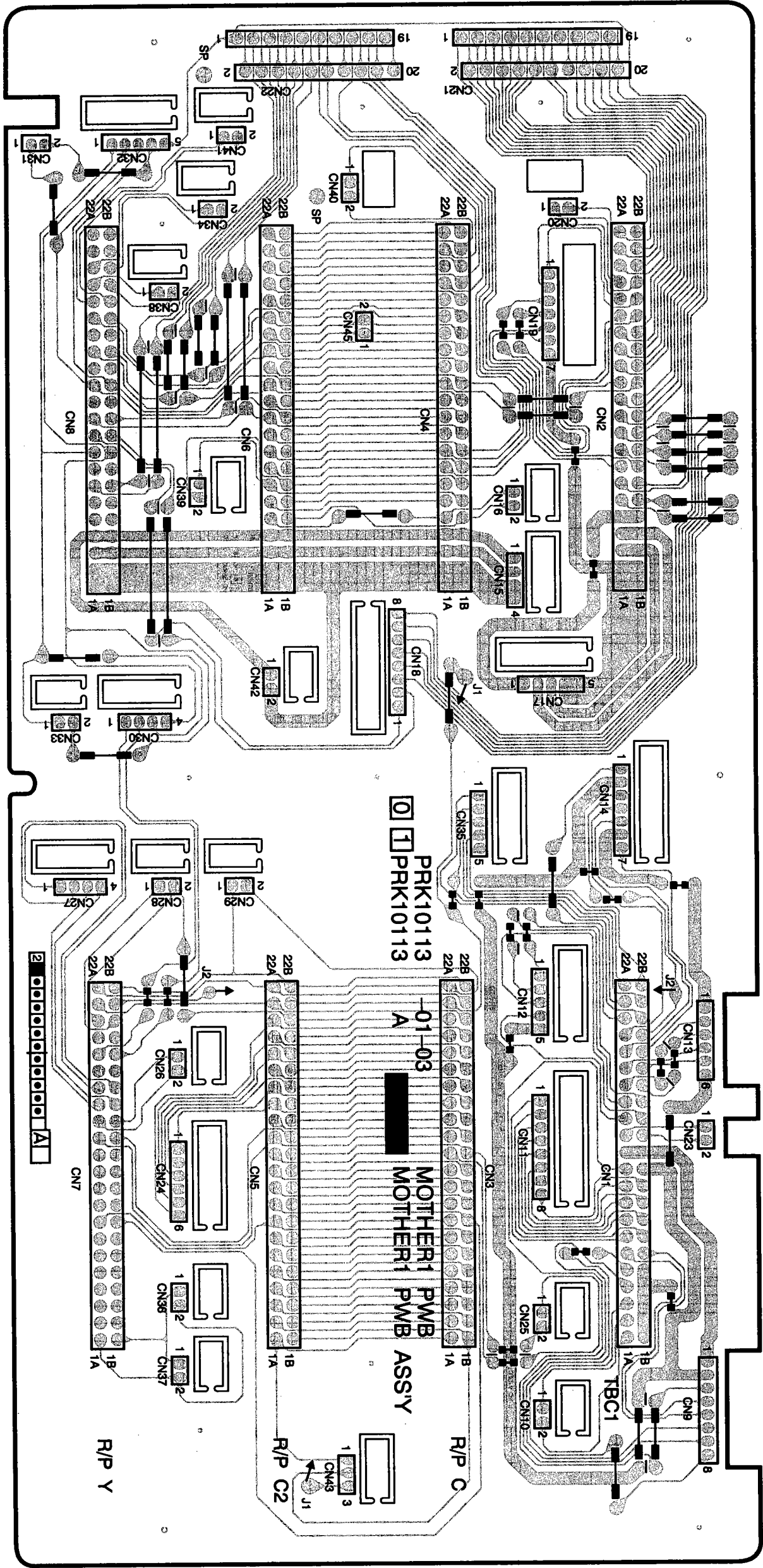




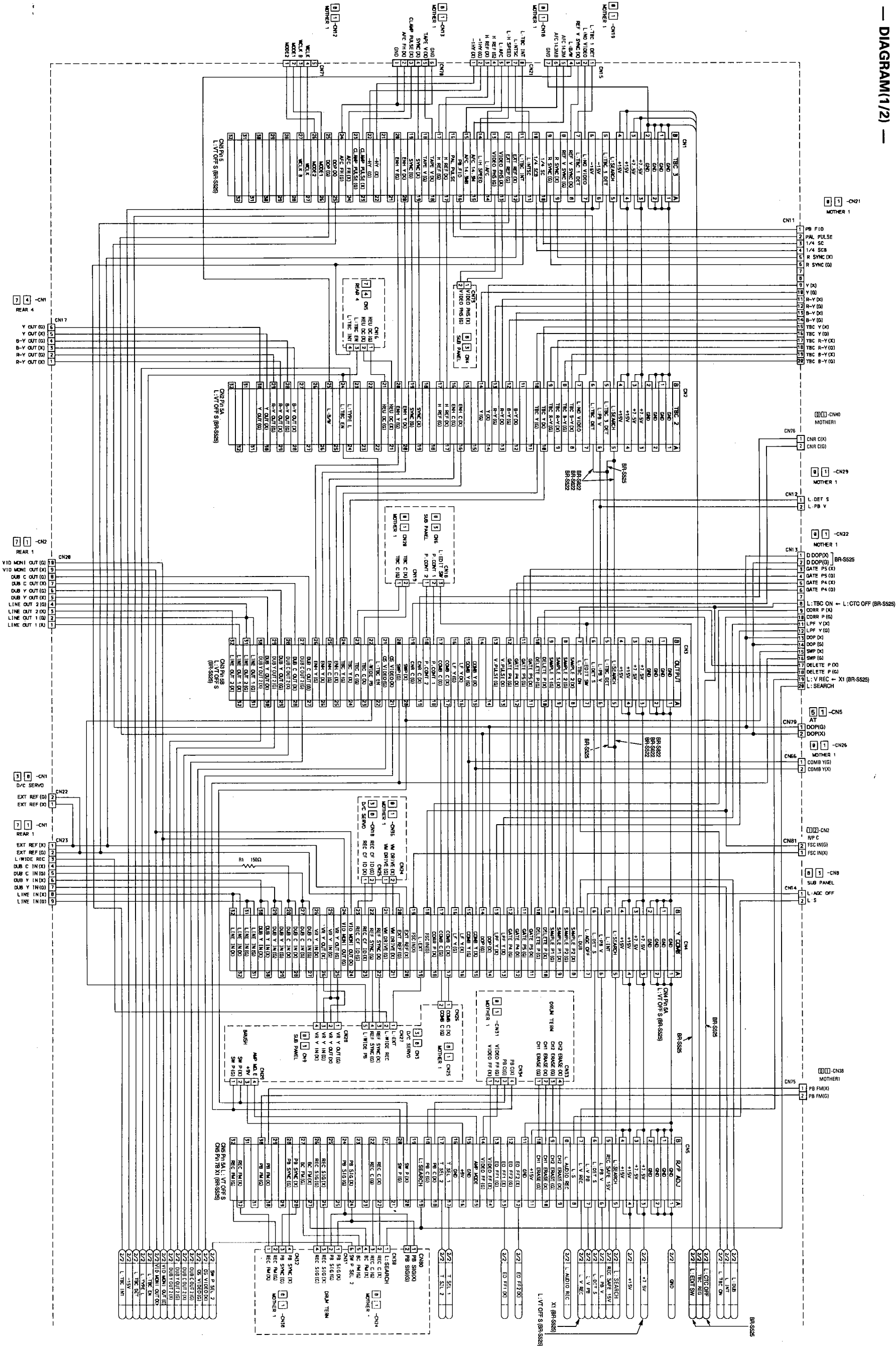




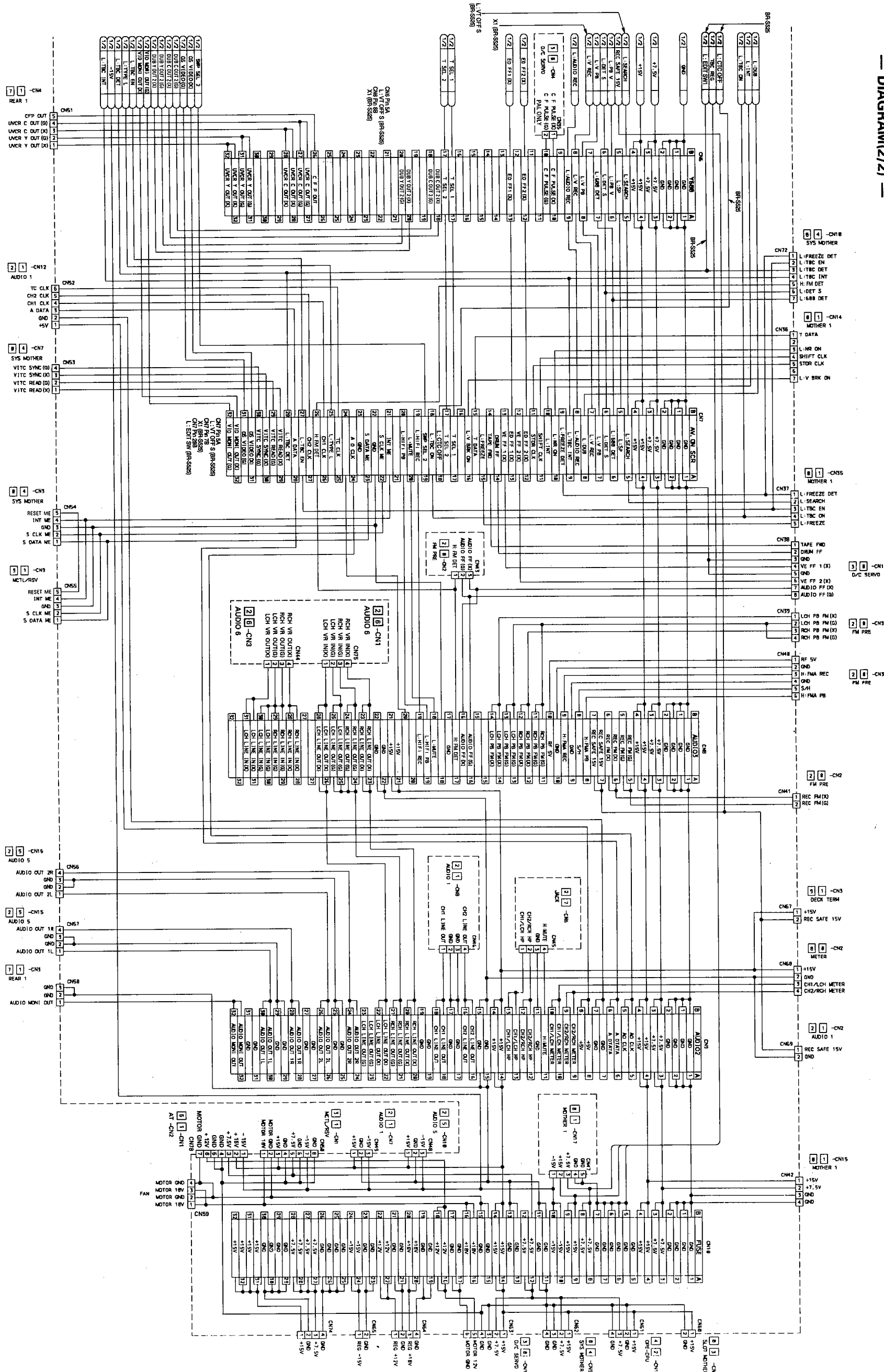


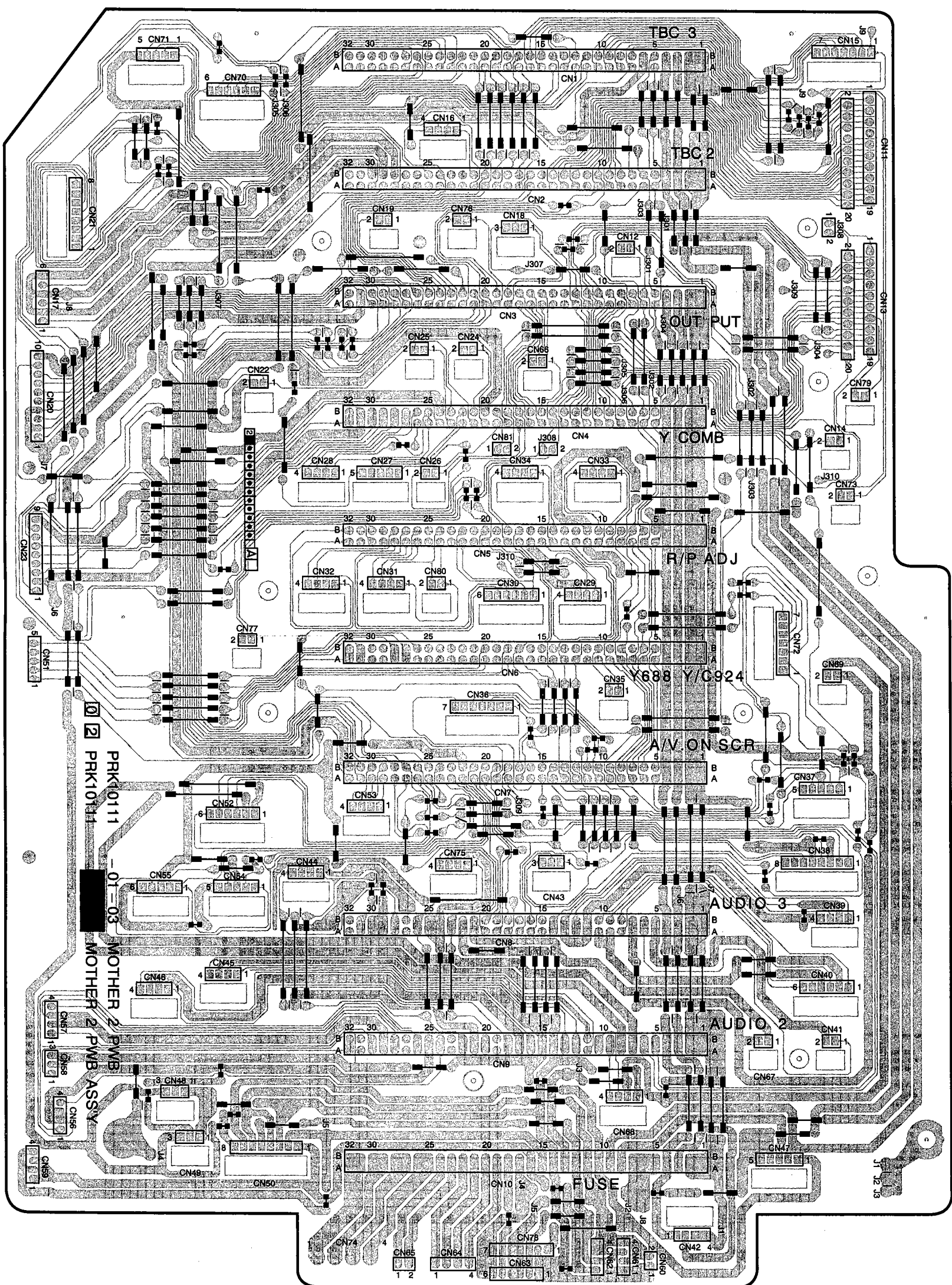


— DIAGRAM(1/2) —





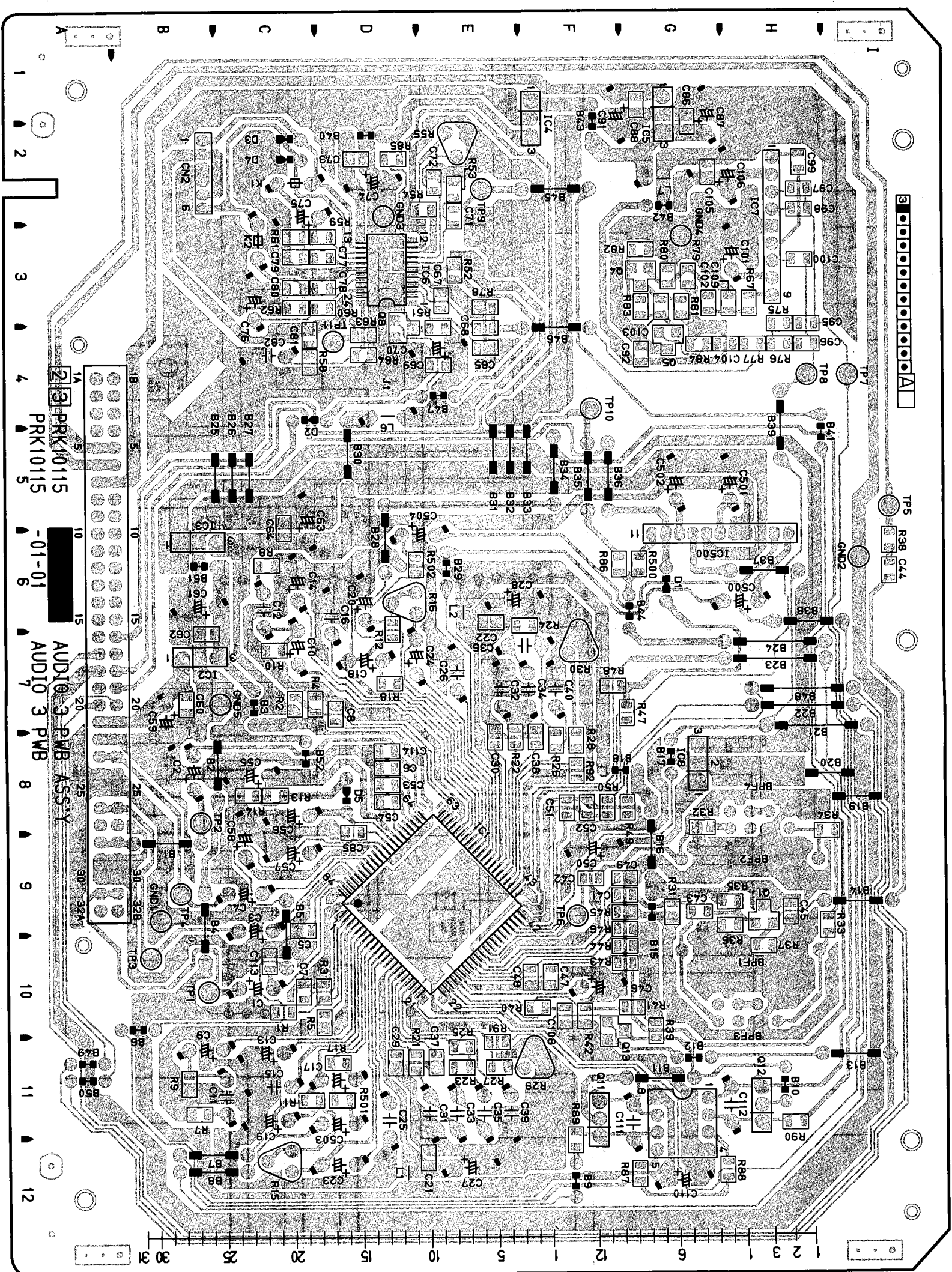


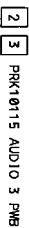


A B C D E F G H

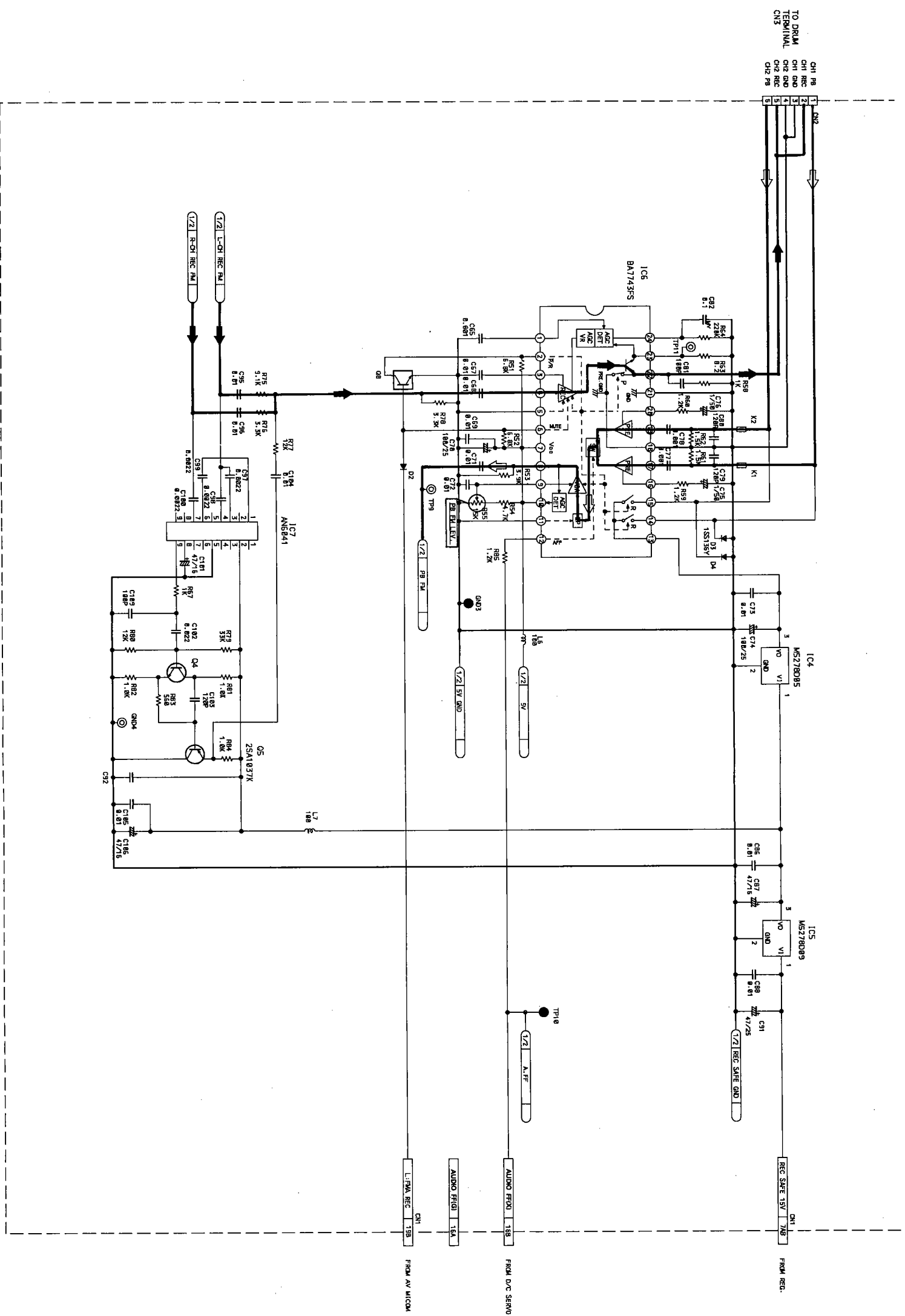
MOTHER BOARD-2 4-17 4-17

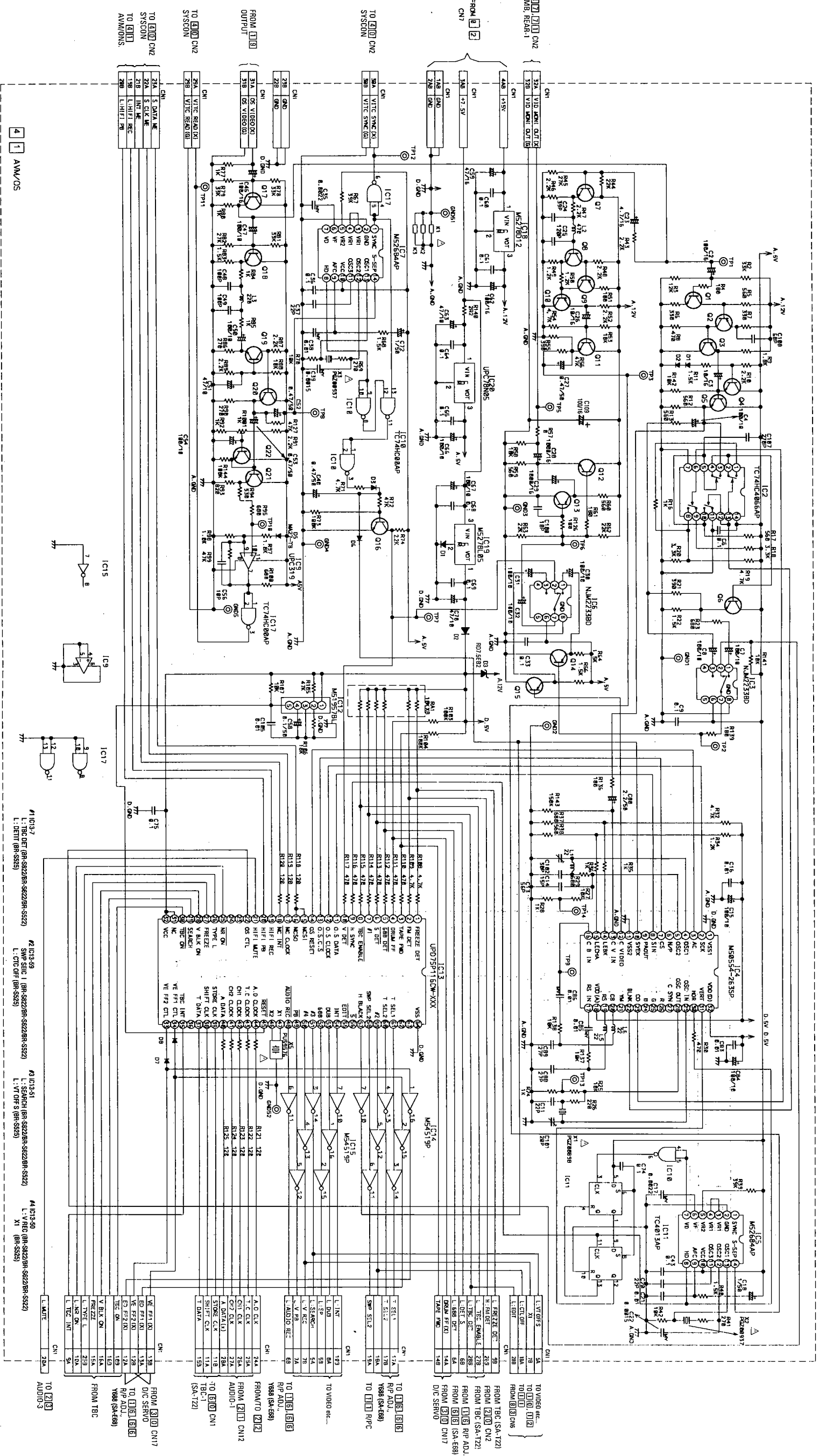




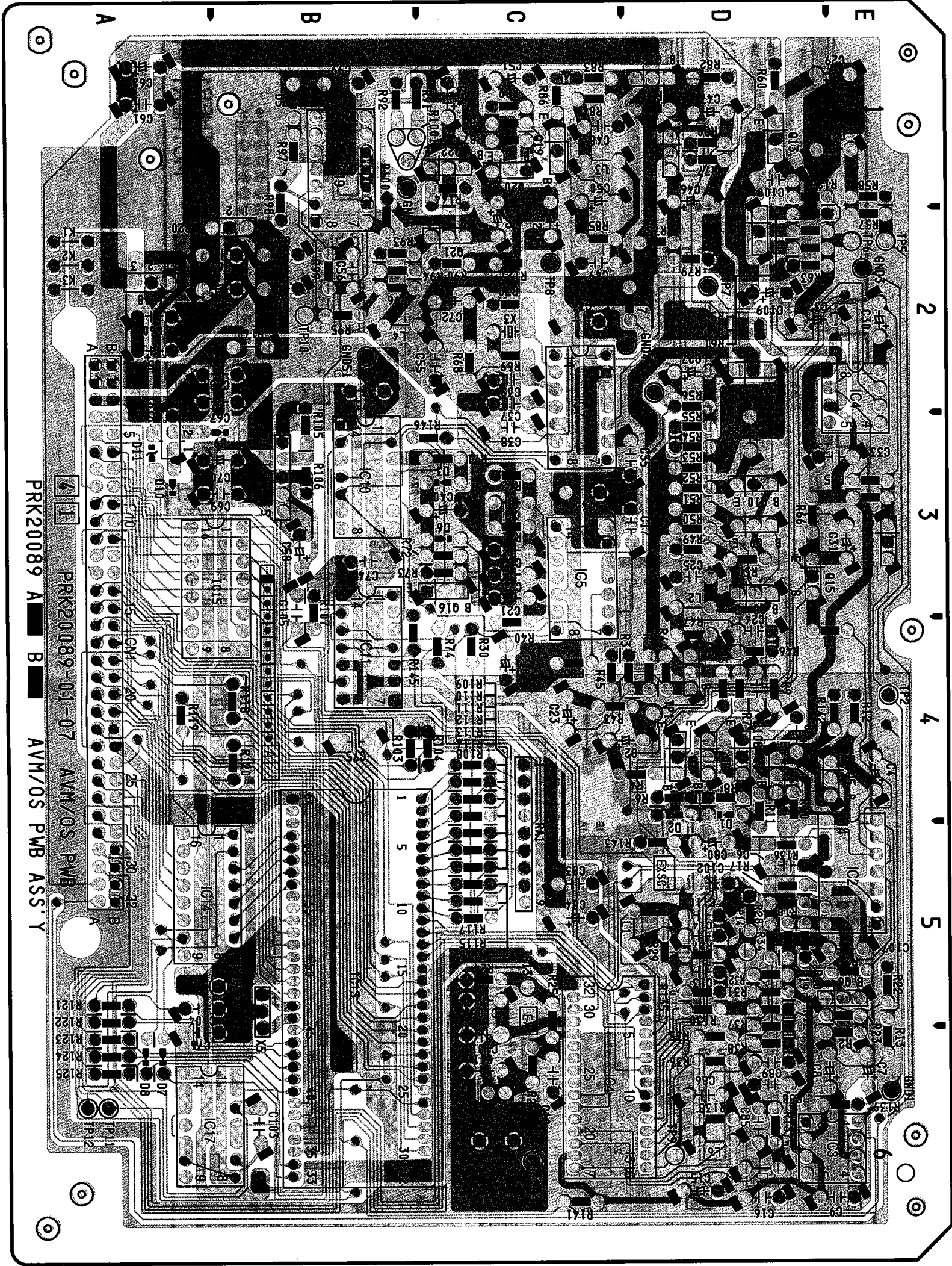


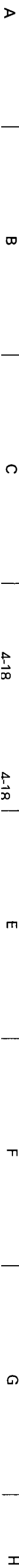
	ELECTROLYTIC
	CERAMIC
	MYLAR











## SECTION 5

### EXPLODED VIEWS AND PARTS LIST

#### SAFETY PRECAUTION

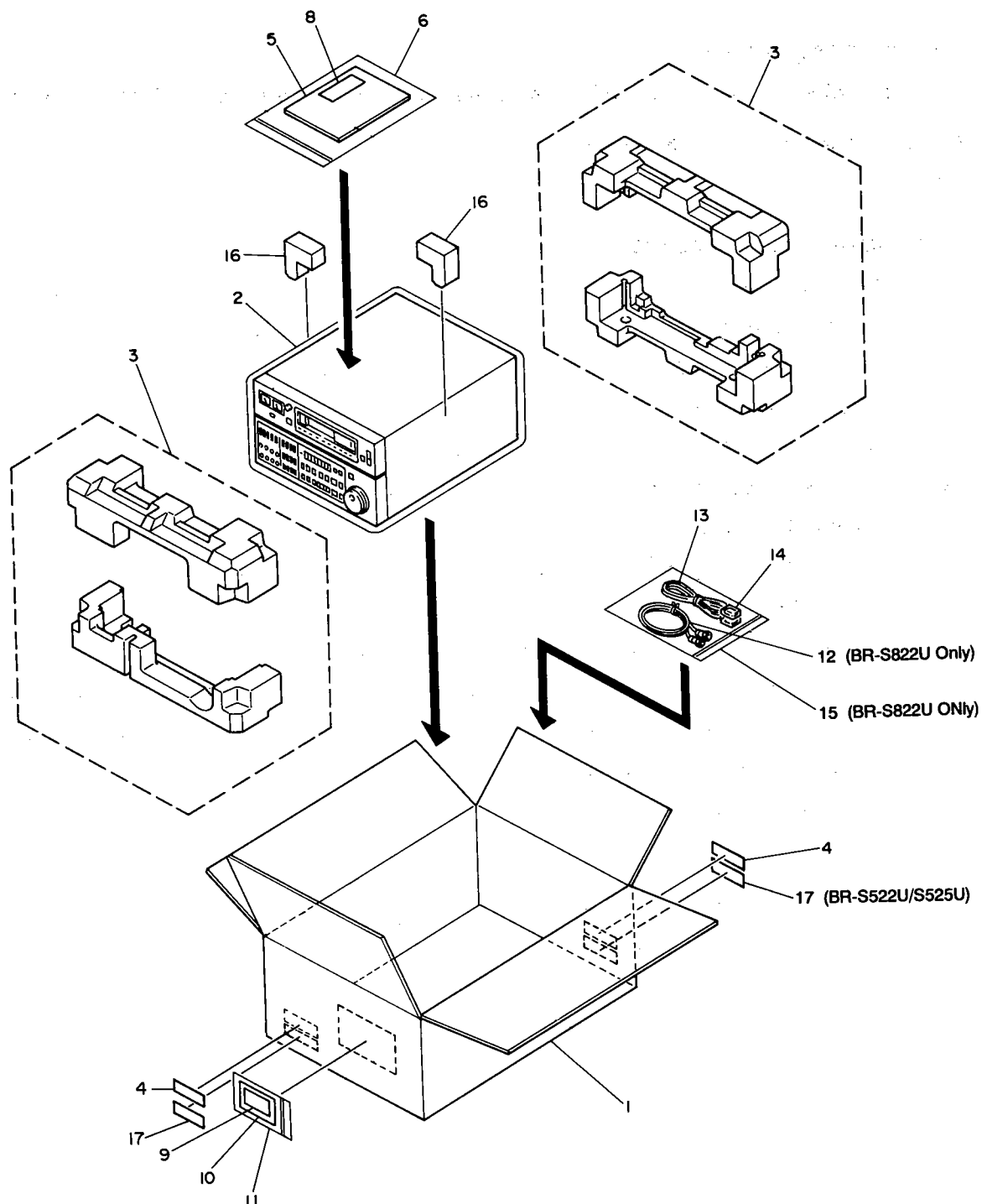
Parts identified by the  symbol are critical for safety. Replace only with specified part numbers.

NOTE: "X " indicates quantity per set.

EXPLODED PART NUMBER CODING	Page
5.1 PACKING ASSEMBLY <M1> .....	5-2
5.2 CABINET ASSEMBLY <M2> .....	5-4
5.3 CHASSIS ASSEMBLY <M3> .....	5-6
5.4 FRAME ASSEMBLY <M4> .....	5-8
5.5 REAR BRACKET ASSEMBLY <M5> .....	5-10
5.6 MECHANISM 1 ASSEMBLY <M6> .....	5-12
5.7 MECHANISM 2 ASSEMBLY <M7> .....	5-14
5.8 CASSETTE HOUSING <M8> .....	5-16
5.9 DRUM ASSEMBLY <M9A> .....	5-18
5.9.1 Drum assembly (BR-S822U/S622U/S522U) <M9A> .....	5-18
5.9.2 Drum assembly (BR-S525U) <M9B> .....	5-18
5.10 FRONT PANEL assembly .....	5-19
5.10.1 Cassette panel assembly <MA> .....	5-19
5.10.2 Operation panel assembly <MB> .....	5-20

## EXPLODED PART NUMBER CODING

### 5.1 PACKING ASSEMBLY <M1>





**PACKING ASSEMBLY** ☒ 1

☒ 1 ☒ ☒ ☐ ☐ ☐ ☐

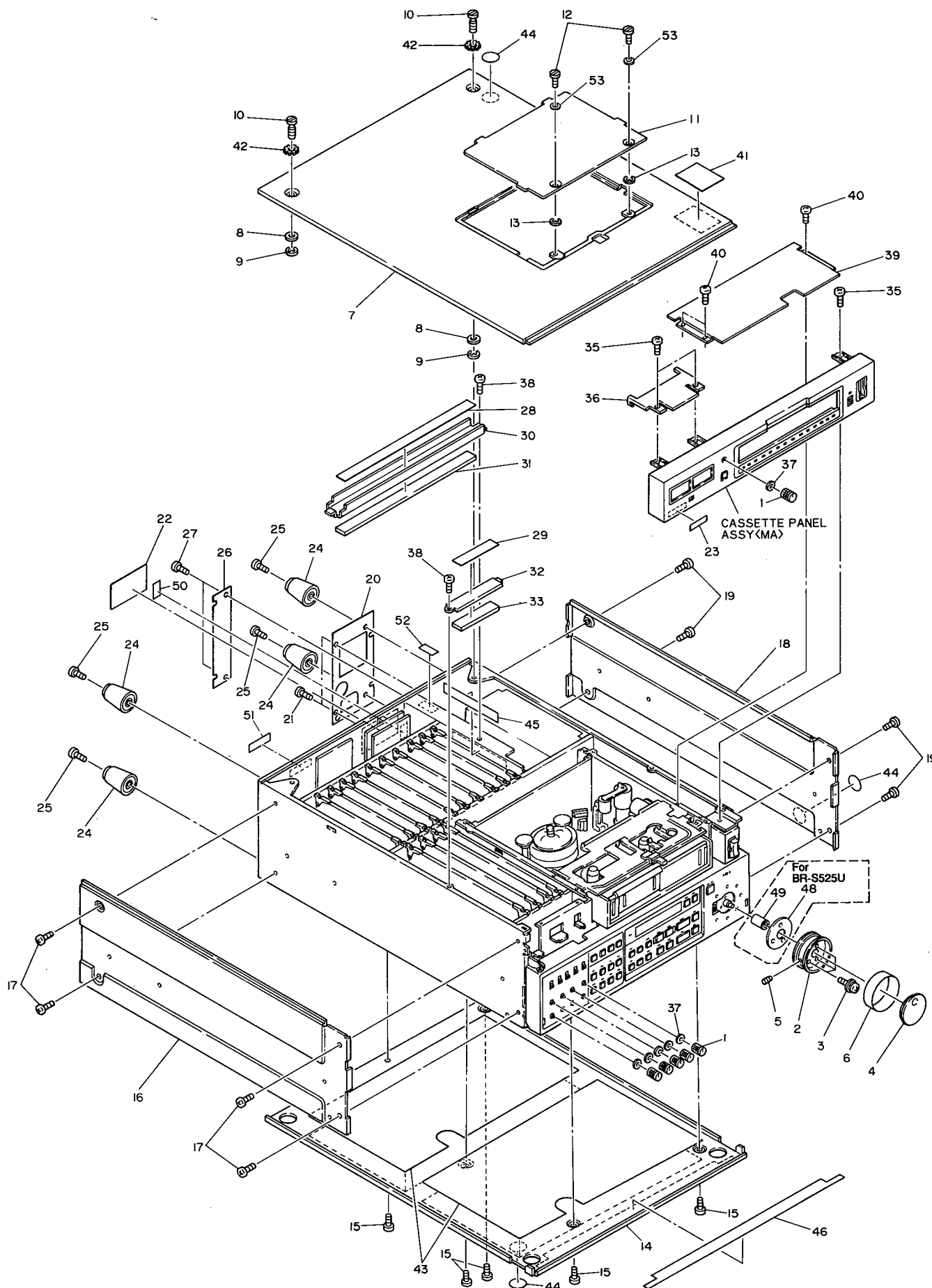
# ☒ REF No. PART No. PART NAME, DESCRIPTION

\*\*\*\*\*

**PACKING ASSEMBLY <M1>**

1	PRD20370-02-01	PACKING CASE, S822U
1	PRD20370-04-01	PACKING CASE, S622U
1	PRD20370-08	PACKING CASE, S522U
1	PRD20370-12	PACKING CASE, S525U
2	PGD30005-05	PE BAG
3	PRD10251A-02	CUSHION ASSY
4	PUP40619	SERIAL NO.STICKER, X2
<input checked="" type="checkbox"/> 5	PGD30002-258-04	INSTRUCTIONS, S822U
<input checked="" type="checkbox"/> 5	PGD30002-259-03	INSTRUCTIONS, S622U
<input checked="" type="checkbox"/> 5	PGD30002-282-02	INSTRUCTIONS, S522U
<input checked="" type="checkbox"/> 5	PGD30002-294-03	INSTRUCTIONS, S525U
6	QPGB024-03404	POLY BAG
<input checked="" type="checkbox"/> 8	PU33941-3-3	SAFETY CAUTION
9	BT-20104A	TOLL FREE CARD
10	BT-20103A	WARRANTY CARD
11	PU54821	POLY BAG
12	PGZ00793-006	CABLE ASSY, S822U
<input checked="" type="checkbox"/> 13	QMP9003-022	POWER CORD
14	PUP40003-7	AIR CAP
15	QPGB020-02804	POLY BAG, S822U
16	PRD30848	SPACER CUSHION, X2
17	PRD43892	LABEL(PACKING), X2, S522U/S525U

## 5.2 CABINET ASSEMBLY <M2>



#△ REF No. PART No. PART NAME, DESCRIPTION

\*\*\*\*\*

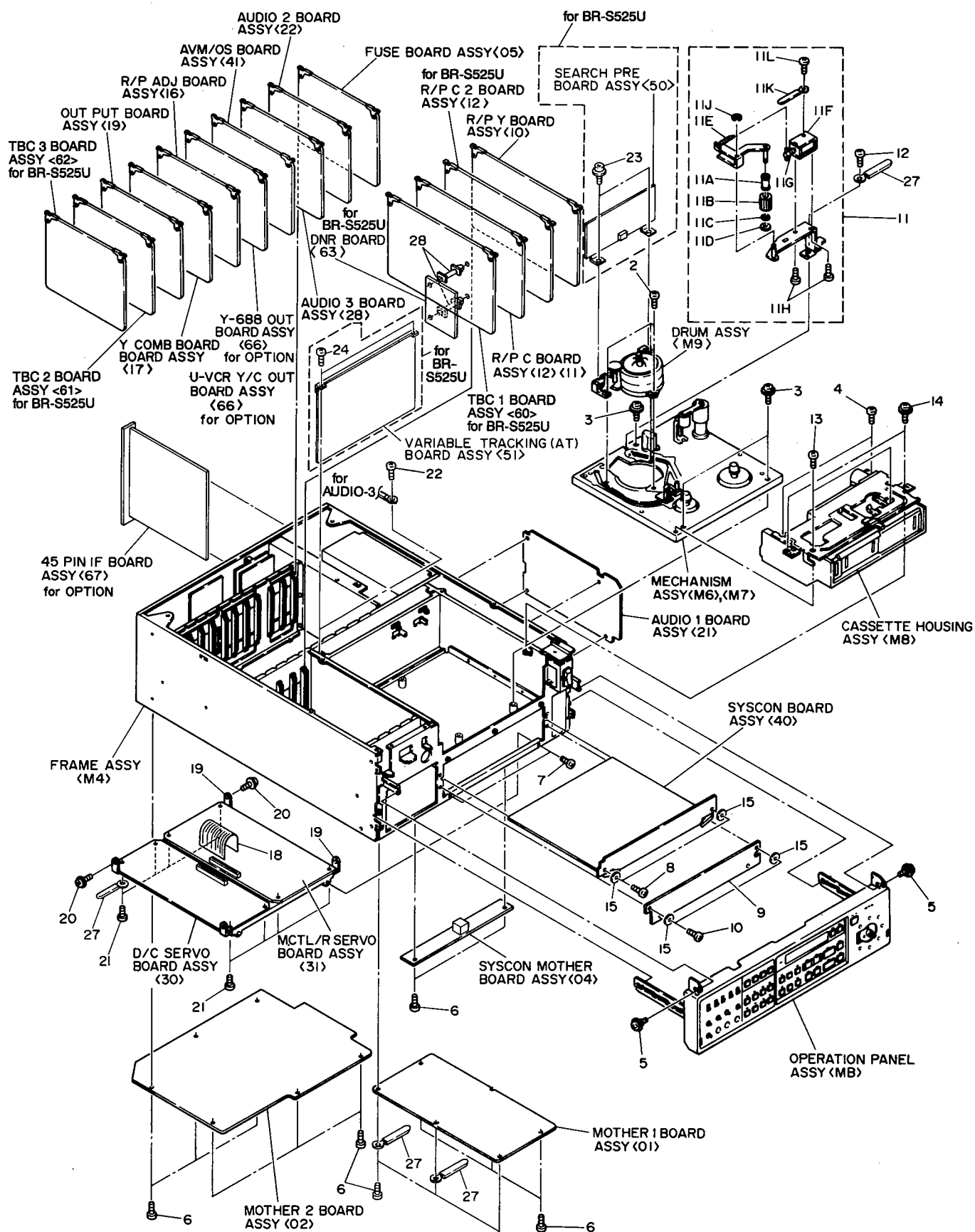
**CABINET ASSEMBLY <M2>**

1	PRD43431A-01	VR KNOB ASSY, X6
2	PRD30196-03	SEARCH KNOB
3	DPSP2006Z	SCREW, X3, S822U/S622U/S522U
3	DPSP2012Z	SCREW, X3, S525U
4	PRD41819B	JOG KNOB ASSY
5	YWS3004B	SET SCREW
6	PRD41818	TIRE
7	PRD10247A-03	TOP COVER ASSY
8	PGD40255-02	SPACER, X2
9	REE3000	"E" RING, X2
10	PRD30081-03	COIN SCREW, X2
11	PRD30841-01-01	COVER
12	PRD30081-01-01	COIN SCREW, X2
13	REE2500	"E" RING, X2
△ 14	PRD10232-01-03	BOTTOM COVER
15	SDST3008Z	SCREW, X5
△ 16	PRD10233-01-04	LEFT SIDE COVER
17	SDSP4008R	SCREW, X4
△ 18	PRD10234-01-04	RIGHT SIDE COVER
19	SDSP4008R	SCREW, X4
△ 20	PRD30730-02-04	REAR PANEL(B)
21	SDSP3006R	SCREW, X2
△ 22	PGD30021-59-32	RATING LABEL, S822U
△ 22	PGD30021-57-32	RATING LABEL, S622U
△ 22	PRD30085-07-20	RATING LABEL, S522U
△ 22	PRD30085-13-20	RATING LABEL, S525U
23	PQ40111-1-5	SERIAL NO PLATE
24	QZF2319-001	FOOT, X4
25	SDSP4018M	SCREW, X4
△ 26	PRD43423-01-04	REAR PANEL(C)
27	SDSP3006R	SCREW, X2
28	PRD30802-01-02	BOARD LABEL(A)
29	PRD43611-01-02	BOARD LABEL(B), S822U/S622U/S522U
29	PRD43611-03	BOARD LABEL(B), S525U
30	PRD30840-01-02	BOARD HOLDER(A)
31	PRD30030-117	PAD
32	PRD44218	BOARD HOLDER(B)
33	PRD30030-118	PAD
35	SDST3008Z	SCREW, X3
36	PRD30835-01-01	TOP PLATE(L)
37	PGD40292	FELT WASHER, X6
38	SBST3006Z	SCREW, X2
39	PRD20412	HOUSING COVER
40	SDST3008Z	SCREW, X3
41	PGD41496-04	LABEL
42	WBS4000N	WASHER, X2
43	PRD30858	SHEET, X2
△ 44	PU53146	CAUTION LABEL, X3
△ 45	PGD40888	CAUTION LABEL
46	PRD30861	SPACER
48	PRD44134	SPACER, S525U
49	PRD30026-47	COLLAR, S525U

#△ REF No. PART No. PART NAME, DESCRIPTION

△ 50	SS410172	CSA LABEL
△	or PGD40147-07	CSA LABEL
51	PRD43814	LABEL(PATENT)
△ 52	PU54551	CAUTION LABEL
53	WNB3000N	WASHER, X2

### 5.3 CHASSIS ASSEMBLY <M3>



# CHASSIS ASSEMBLY M3

M3MM□□□□

#△ REF No. PART No. PART NAME, DESCRIPTION

\*\*\*\*\*

## CHASSIS ASSEMBLY <M3>

2	LPSP2612Z	SCREW, X3
3	LPSP4016Z	SCREW, X3
4	PRD30027-04	SCREW, X2
5	PRD30082	FLANGE SCREW, X2
6	GBST3006Z	SCREW, X14
7	SDST3006M	SCREW, X2
8	PRD43457-01-01	SCREW, X2
9	PRD30767	COVER
10	PRD43457-01-01	SPECIAL SCREW, X2
11	PRD30797A-03	HEAD CLEANER ASSY
11A	PRD42664	CLEANER HOLDER
11B	PRD40510-01-02	CLEANER
11C	Q03093-829	WASHER
11D	PQM30017	SLIT WASHER
11E	PRD30024-62	TENSION SPRING
△ 11F	PU59401-2	SOLENOID
11G	PRD30023-36	COMPRESSION SPRING
11H	SPSP2003Z	SCREW, X2
11J	REE2500	"E" RING
11K	PU49485-3	WIRE CLAMP
11L	SPSP2003Z	SCREW
12	PRD30027-04	SCREW
13	SDSP2608Z	SCREW, X2
14	GBST3008Z	FLANGE SCREW, X2
15	Q03093-517	WASHER, X4
18	PGW0205-040100	FLAT WIRE
19	PRD30762-01-02	BOARD BRACKET, X2
20	PRD30082	FLANGE SCREW, X2
21	GBST3006Z	SCREW, X8
22	SBST3006Z	SCREW
23	PRD30027-04	SCREW, X2, S525U
24	SDST3008Z	SCREW, X2, S525U
27	PU49485-4	WIRE CLAMP, X4
28	PGZ01786-02	PWB SPACER, X2, S525U

# **FRAME ASSEMBLY** **M4**

**M4** **M** **M**

#**△** REF No. PART No. PART NAME, DESCRIPTION

\*\*\*\*\*

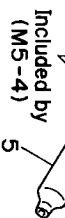
## **FRAME ASSEMBLY <M4>**

1	PRD20354A-06	MECHA HOLDER ASSY
1A	PU49485-4	WIRE CLAMP
1B	SBST3006Z	SCREW
2	PRD20374A-06	LEFT STAY ASSY
2A	PGZ00493-03	GUIDE RAIL
2B	PU49881	EDGE COVER
2C	PU43147-3	WIRE SADDLE, X2
2D	PRD30030-70	PAD
3	PRD20375A-07	RIGHT STAY ASSY
3A	PGZ00493-03	GUIDE RAIL
3B	PU49881	EDGE COVER
3C	PGZ00605	BOARD SPACER, X2
3D	PGZ00606	BOARD HOLDER, X2
3E	PU43147-3	WIRE SADDLE, X2
4	PRD20378B	CENTER BRACKET ASSY
4A	PU48016-2	M CLAMP
5	PRD20366A-07	CENTER FRAME ASSY
5A	PU43172-9-120	NYLON GROMMET
5B	PGZ00452-02	WIRE CLAMP, X4
5C	PU43172-9-65	NYLON GROMMET
5D	PGZ00493-02	GUIDE RAIL, X14
6	SBST3006Z	SCREW, X65
7	PRD20376A-01	GUIDE FRAME ASSY
7A	PGZ00493-03	GUIDE RAIL
8	PRD20377A-03	POWER FRAME ASSY
8A	PGZ00493-03	GUIDE RAIL
8B	PU43135-1-100	NYLON EDGGING
9	PRD20367A-03	REAR FRAME(C)ASSY
9A	PGZ00493-02	GUIDE RAIL, X10
10	PRD10237-01-03	LEFT SIDE FRAME
11	PRD10273A-01	RIGHT SIDE FRAME ASSY
11A	PU43153-1-200	NYLON EDGGING
12	PRD10248A-04	FRONT FRAME ASSY
12A	PU43172-9-89	NYLON GROMMET
13	SPST3006M	SCREW, X4
14	PRD30736-03-05	SUB PANEL(A), S822U/S622U
14	PRD30736-02-05	SUB PANEL(A), S522U
14	PRD30736-04-05	SUB PANEL(A), S525U
15	PRD43433	SUB PANEL(B)
16	PRD30739-01-04	POWER SWITCH BRACKET ASSY
17	PRD43708	TOP PLATE(R)
18	PRD30743A-01	FRONT BRACKET ASSY
18A	PGZ00493-02	GUIDE RAIL, X4
19	PRD43816	FOOT, X4
20	SBST3010Z	SCREW, X4
△ 21	PGZ01459-01-05	SWITCHING REGULATOR
21A	PU59311	WIRE CLAMP, X3
22	DPSP4008Z	ASSY SCREW, X2
23	LPSP3006Z	SCREW, X2
24	GBST3006Z	ASSY SCREW, X5
△ 25	PGZ00479	SEESAW SWITCH
△ 26	PRD42023	SWITCH COVER
27	PRD30836	CONNECTOR STAY
28	PRD43700	CORNER BRACKET, X3

#**△** REF No. PART No. PART NAME, DESCRIPTION

29	PRD43709	BRACKET
30	PRD43709-02	BRACKET
△ 31	PRD30857	INSULATOR
33	PU49486	WIRE CLAMP
35	PU49485-2	WIRE CLAMP







# REAR BRACKET ASSEMBLY M5

M5MM□□□□

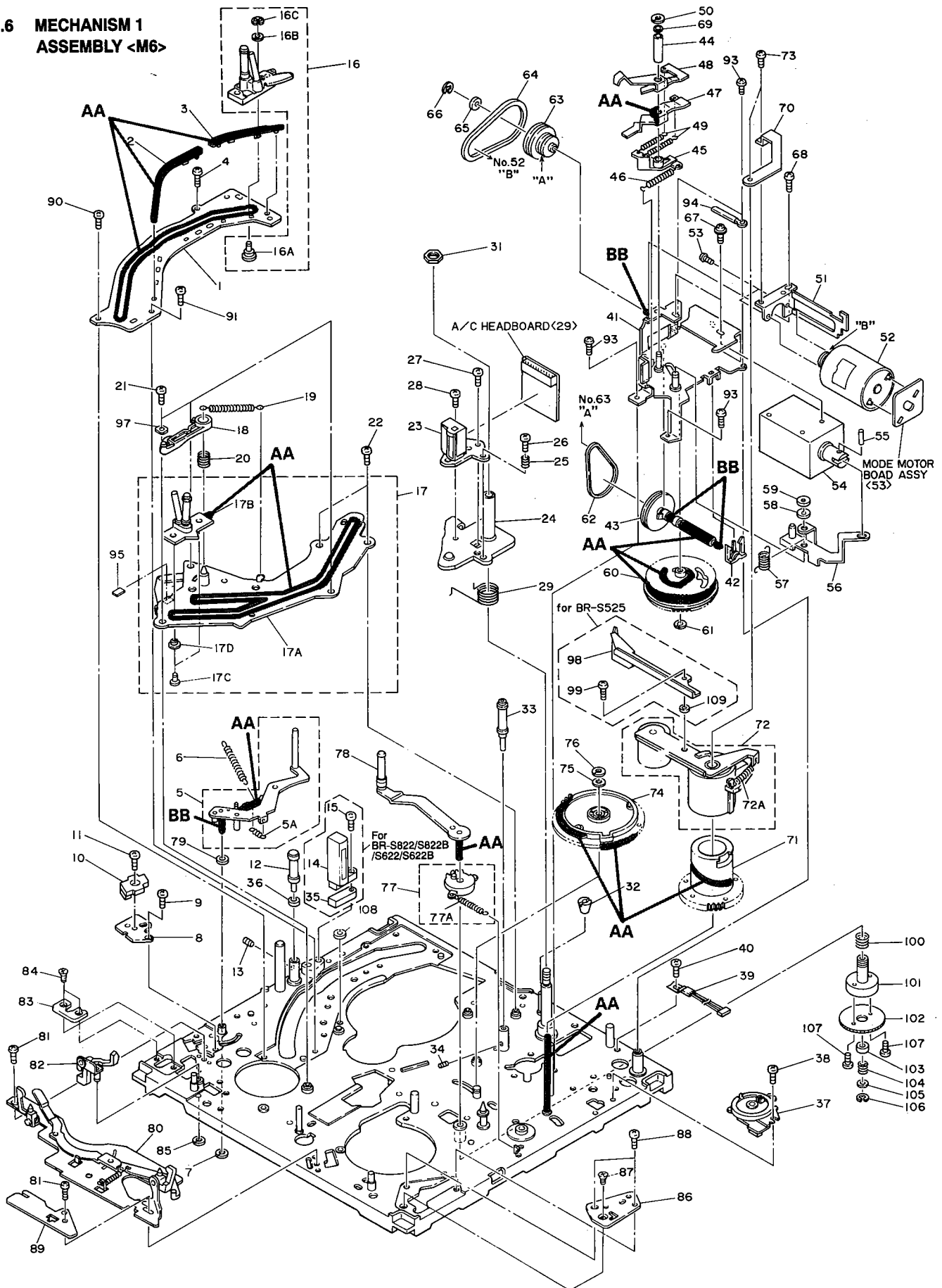
#△ REF No. PART No. PART NAME, DESCRIPTION

\*\*\*\*\*

## REAR BRACKET ASSEMBLY <M5>

1	PRD20365-01-04	REAR FRAME(B)
△ 2	PGZ00760	AC INLET
3	QXT695H-025	V.TUBE, X3
△ 4	QMG0301-004	FUSE HOLDER
△ 5	PU50316	FUSE COVER
△ 6	DPSP4008N	SCREW
△ 7	PGZ01137	FAN MOTOR
△	or PGZ01974	FAN MOTOR
9	SDSP3025R	SCREW, X2
	or SDSP3035R	SCREW, X2
10	PRD43465-02	FAN GUARD
11	PGZ01822	REAR FRAME(A) ASSY, S822U/S622U
11	PGZ01822-02	REAR FRAME(A) ASSY, S522U/S525U
12	PGZ01729	7P CONNECTOR, S822U/S622U INCL.11
	or PGZ00592	7P CONNECTOR, S822U/S622U INCL.11
13	PGZ01730	7P CONNECTOR(OUT), X3 INCL.11
	or PGZ00593	7P CONNECTOR(OUT), X3 INCL.11
14	PGZ01208	XLR CONNECTOR, MALE
15	PGZ01209	XLR CONNECTOR, FEMALE (S822U/S622U)
16	PGZ01733	9P CONNECTOR, REMOTE, INCL.11
	or PGZ00915	9P CONNECTOR, REMOTE, INCL.11
17	PGZ01734	SPRING LOCK, X2, S822U/S622U/S522U
	or PGZ00924	SPRING LOCK, X2, S822U/S622U/S522U
17	PGZ01734	SPRING LOCK, X4, S525U INCL.11
	or PGZ00924	SPRING LOCK, X4, S525U INCL.11
18	PGZ01735	SCREW, 2 IN 1 INCL.11
	or PGZ00925	SCREW, 2 IN 1 INCL.11
△ 19	PGZ01137	FAN MOTOR
	or PGZ01974	FAN MOTOR
21	SDSP3025R	SCREW, X2
△ 22	PRD43424-01-04	REAR PANEL(D), S822U/S622U/S522U
22	PGZ01698-01-01	REAR PANEL(D)ASSY, S525U
23	PGZ00440	BNC CONNECTOR, X3, S525U
24	PU48611	RING, X3, S525U
25	Q03093-439	WASHER, X3, S525U
26	PGZ00755	15P CONNECTOR, TBC REMOTE
26	PGZ01732	15P CONNECTOR(D), S525U
△ 27	PRD30729-02-06	REAR PANEL(A), S822U/S622U
27	PRD30729-04	REAR PANEL(A), S522U
△ 27	PRD30729-04-06	REAR PANEL(A), S525U
28	SDSP3006R	SCREW, X4
29	PRD43465-02	FAN GUARD
30	GBST3006Z	SCREW, X3
31	SPSP2605N	SCREW, X10, S822U/S622U
31	SPSP2605N	SCREW, X5, S522U/S525U
32	SDSP3006R	SCREW, X4
33	WNS3000N	WASHER, X4
34	WLS3000N	L.WASHER, X4
35	NFS3000Z	NUT, X4
36	PGZ01086	FLAT CABLE CLIP, S822U/S622U/S522U
38	PRD30083-03	SPACER, X2, S522U/S525U
39	PGZ01769-05	FERRITE CORE, S522U/S525U
△ F1	QMF51J1-3R15N	FUSET3.1A

# 5.6 MECHANISM 1 ASSEMBLY <M6>



Category	JVC part number	MARK
Grease	MOS2-C	AA
Oil	COSMO-HV56	BB

**NOTE:** The section marked in **AA** and **BB** indicate lubrication and greasing areas.

MECHANISM 1 ASSEMBLY



#	REF No.	PART No.	PART NAME, DESCRIPTION
---	---------	----------	------------------------

MECHANISM 1 ASSEMBLY <M6>

1	PRD30764-01-05	SUB DECK(S)
2	PQ33994	GUIDE RAIL 1(S)
3	PQ33995	GUIDE RAIL 2(S)
4	SDST2605Z	SCREW
5	PRD44024B-02	TENSION ARM ASSY
5A	PRD30024-65	TENSION SPRING
6	PRD43714	TENSION SPRING
7	PQM30017	SLIT WASHER
8	PRD43466-01-02	TENSION SENSOR BASE
9	SDSP2004Z	SCREW
10	PUG1338	TENSION SENSOR
11	SDSP2604Z	SCREW
12	PRD43721A	GUIDE ROLLER ASSY
13	YFS2603B	SET SCREW
14	PGZ01841	FULL ERASE HEAD, S822U/S622U
15	SDSP2614Z	SCREW, S822U/S622U
16	PRD30821E	POLE BASE (SUPPLY) ASSY
16A	PRD43671-01-02	STOPPER(S2)
16B	Q03093-829	WASHER
16C	REE1500	"E" RING
17	PRD43747A-06	LOADING (TAKE-UP) ASSY
17A	PRD43746A-03	GUIDE RAIL ASSY
17B	PRD30864B	POLE BASE (TAKE-UP) ASSY
17C	PRD43819	SPECIAL SCREW, X2
17D	PRD43875	COLLAR
18	PQ34000	C.GUIDE ARM
19	PQM30001-317	TENSION SPRING
20	PQM30002-207	C SPRING

21	SDST2605Z	SCREW, X3
22	SDST2608Z	SCREW, X2
23	PGZ01840	AUDIO/CONTROL HEAD
24	PRD44167A	HEAD ARM ASSY
25	PQM30002-197	COMPRESSION SPRING
26	SDSP2612Z	SCREW
27	PQ44621	SPECIAL SCREW
28	PQ43687B	SPECIAL SCREW
29	PQ44119	TORSION SPRING

31	PQ40353	NYLON NUT
32	PRD44241	TAPER NUT
33	PRD44151A-01	GUIDE ROLLER ASSY
34	PQ45295	SPECIAL SCREW
35	PQ45325	FULL ERASE HEAD BASE, S822U/S622U
36	PQ45294	"O" RING
37	PUG1339-1-1	ROTARY ENCODER
38	SDSP2004Z	SCREW
39	PUG1357	DEW SENSOR
40	SDSP2004Z	SCREW

41 -	PRD44105A	SOLENOID BRACKET ASSY
42	PQ44129	WORM BEARING 2
43	PRD44122A	W.GEAR ASSY
44	PRD44108	COLLAR
45	PQ33992-1-1	LOCK LEVER 1

#	REF No.	PART No.	PART NAME, DESCRIPTION
---	---------	----------	------------------------

46	PQM30001-313	TENSION SPRING
47	PRD44109	LOCK LEVER 2
48	PRD30972	LOCK LEVER 3
49	PQM30001-314	TENSION SPRING, X2
50	PQM30017-6	SLIT WASHER
51	PRD30969	MOTOR BRACKET
52	PRD44123A	MODE MOTOR ASSY
53	SPSP3003Z	SCREW, X2
54	PGZ01845-02	SOLENOID
55	PSE3010	SPRING PIN
56	PRD44106A	SOLENOID LEVER ASSY
57	PRD44113	TORSION SPRING
58	Q03093-818	WASHER
59	PQM30017-12	SLIT WASHER
60	PQ21313-1-1	CAM GEAR

61	PQM30017-12	SLIT WASHER
62	PRD30022-17	BELT
63	PRD43968	CONNECT PULLEY
64	PRD30022-18	BELT
65	Q03093-829	WASHER
66	REE1200	E RING
67	DPSP3005Z	SCREW, X2
68	SDSP2604Z	SCREW
69	Q03093-825	WASHER
70	PRD44103	ARM

71	PQ21312	PROLLER CAM
72	PRD43387A-01	PINCH ROLLER ARM ASSY, S822U/S622U/S522U
	or	
	PRD43387B-01	PINCH ROLLER ARM ASSY, S822U/S622U/S522U
	PRD43387C	PINCH ROLLER ARM ASSY, S525U
72	PRD43387D	PINCH ROLLER ARM ASSY, S525U
	or	
72A	PRD30024-60	TENSION SPRING
73	SDSP2605Z	SCREW, X2
74	PQ21315-1-2	CONTROL CAM
75	Q03093-849	WASHER
76	PQM30017-28	SLIT WASHER
77	PRD43791A-01	GUIDE ARM GEAR ASSY
77A	PRD30024-64	TENSION SPRING
78	PRD43404D-04	GUIDE ARM ASSY
79	Q03093-838	WASHER
80	PRD44248A	G.PIN ASSY

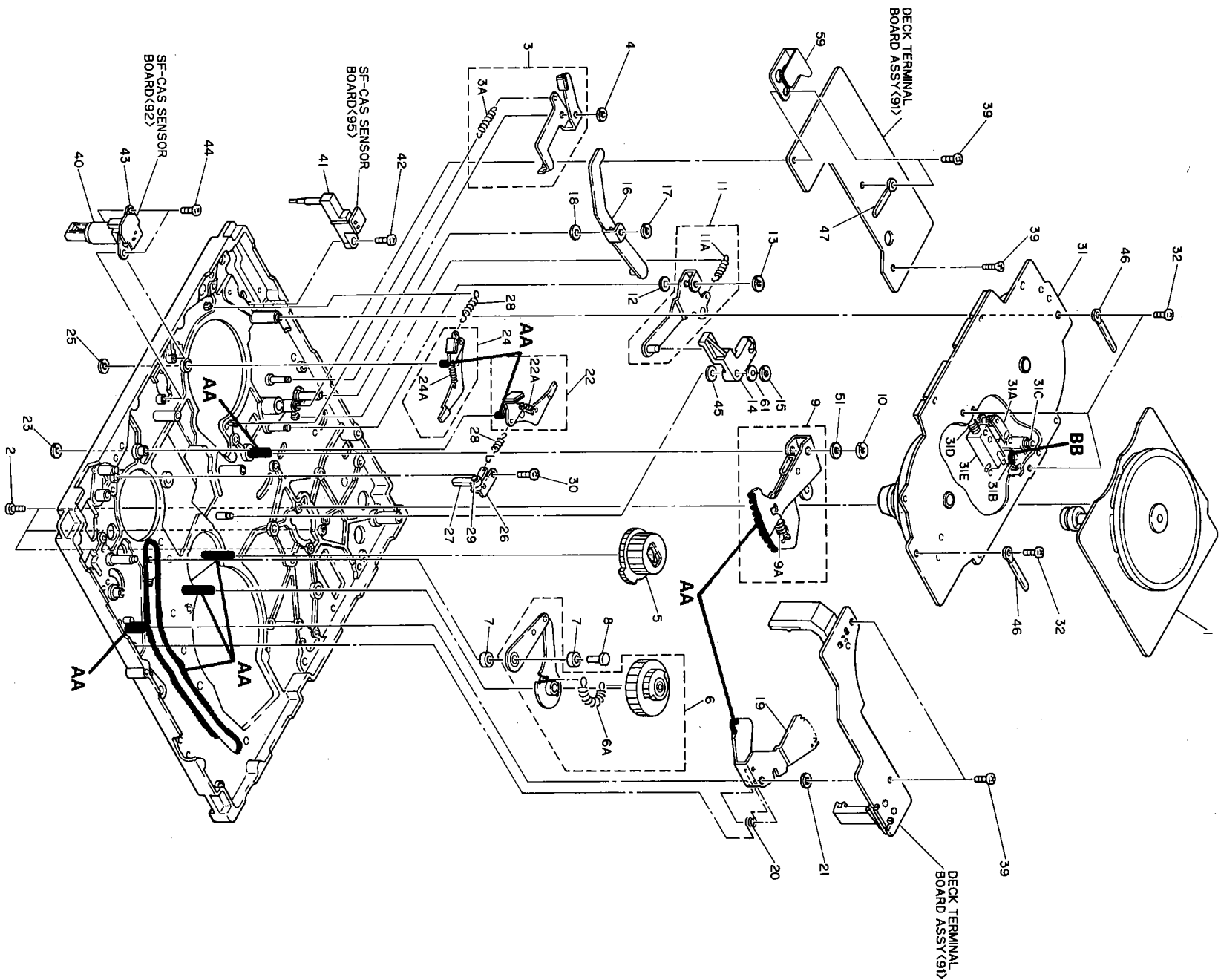
81	SDSP2605Z	SCREW, X2
82	PRD44184A	REC. SAFETY ASSY
83	PRD43890	SOCKET L
84	SSSP2604Z	SCREW, X2
85	PQM30017-6	SLIT WASHER
86	PRD43889	SOCKET R
87	SSSP2604Z	SCREW
88	SDSP2604Z	SCREW, X2
89	PRD44243A	ADJUST PLATE ASSY
90	SDSP2608M	SCREW

91	SPSH2635M	MINI SCREW
93	SDST2605Z	SCREW, X4
94	PU49485-4	WIRE CLAMP
95	PRD43826	SPACER

#	REF No.	PART No.	PART NAME, DESCRIPTION
---	---------	----------	------------------------

97	PRD44013-02	STOPPER PLATE
98	PRD43901-01-02	NOISE SHUTTER, S525U
99	DPSP3006Z	SCREW, S525U
100	PRD30023-48	COMPRESSION SPRING
101	PRD43800	BUSHING
102	PRD43802	ADJUST GEAR
103	PRD43804	COLLAR
104	PRD30023-49	COMPRESSION SPRING
105	WSS3000Z	WASHER
106	REE2500	"E" RING
107	SPSP2004Z	SCREW, X2
108	PRD44141	SPACER
109	PRD30029-05	WASHER, S525U

5.7 MECHANISM 2 ASSEMBLY <M7>



**NOTE:** The section marked in **AA** and **BB** indicate lubrication and greasing areas.

Category	JVC part number	MARK
Grease	MDS2-C	AA
Oil	COSMO-HV56	BB

MECHANISM 2 ASSEMBLY **M7****M7** **MM** ☐ ☐ ☐ ☐#**△** REF No. PART No. PART NAME, DESCRIPTION#**△** REF No. PART No. PART NAME, DESCRIPTION

\*\*\*\*\*

**MECHANISM 2 ASSEMBLY <M7>**

<b>△</b> 1	PGZ01535-01-01	CAPSTAN MOTOR
2	SDSP2608Z	SCREW, X3
3	PRD43479A-01	R.BRAKE ASS'Y
3A	PRD30024-58	TENSION SPRING
4	PQM30017-6	SLIT WASHER
5	PQ34033	LOADING GEAR(T)
6	PRD43473A-03	L.GEAR(S)ASS'Y
6A	PQM30001-318	TENSION SPRING
7	PRD44019	COLLAR
8	PRD43818	SPECIAL SCREW
9	PQ45306B-3	ARM GEAR ASS'Y
9A	PQM30001-320	TENSION SPRING
10	REE3000	"E"RING
11	PQ45304A	F.L.LEVER ASS'Y
11A	PQM30001-319	TENSION SPRING
12	Q03093-825	WASHER
13	PQM30017-6	SLIT WASHER
14	PQ34005-1-2	LOCK ARM
15	PQM30017-6	SLIT WASHER
16	PRD43464A	C.H.LEVER ASS'Y
17	PQM30017-6	SLIT WASHER
18	Q03093-825	WASHER
19	PQ34007	CANCEL LEVER
20	PQ45313	TORSION SPRING
21	PQM30017-12	SLIT WASHER
22	PRD43388A-02	B.LEVER(L)ASS'Y
22A	PRD30024-53	TENSION SPRING
23	PQM30017-6	SLIT WASHER
24	PRD43395A-02	B.LEVER(R)ASS'Y
24A	PRD30024-53	TENSION SPRING
25	PQM30017-6	SLIT WASHER
26	PRD43397A-01	LEVER BASE ASSY
27	PRD43400	F/C LEVER
28	PRD43401	TENSION SPRING, X2
29	PQM30017-25	SLIT WASHER
30	SDST2604Z	SCREW
<b>△</b> 31	PGZ01541A-04	REEL MOTOR
31A	PGZ01541-001	IDLER GEAR ASSY
31B	PGZ01541-002	LED HOLDER ASSY
31C	PGZ01541-003	COMPRESSION SPRING
31D	PGZ01541-004	COMPRESSION SPRING
31E	PGZ01541-005	SOLENOID
32	SDST2606Z	SCREW, X4
39	SDST2605Z	SCREW, X5
40	PU61174	CASSETTE SWITCH

41	PU61008	CASSETTE SWITCH
42	SDSP2605Z	SCREW
43	PRD43467-01-01	C.S.SW BASE
44	SDST2605Z	SCREW, X2
45	Q03093-825	WASHER
46	PU49485-4	WIRE CLAMP, X2
47	PU49485-4	WIRE CLAMP
51	Q03093-833	WASHER
59	PRD44006A	STOPPER ASSY

## CASSETTE HOUSING ASSEMBLY M8

M8MM□□□□

#△ REF No. PART No. PART NAME, DESCRIPTION

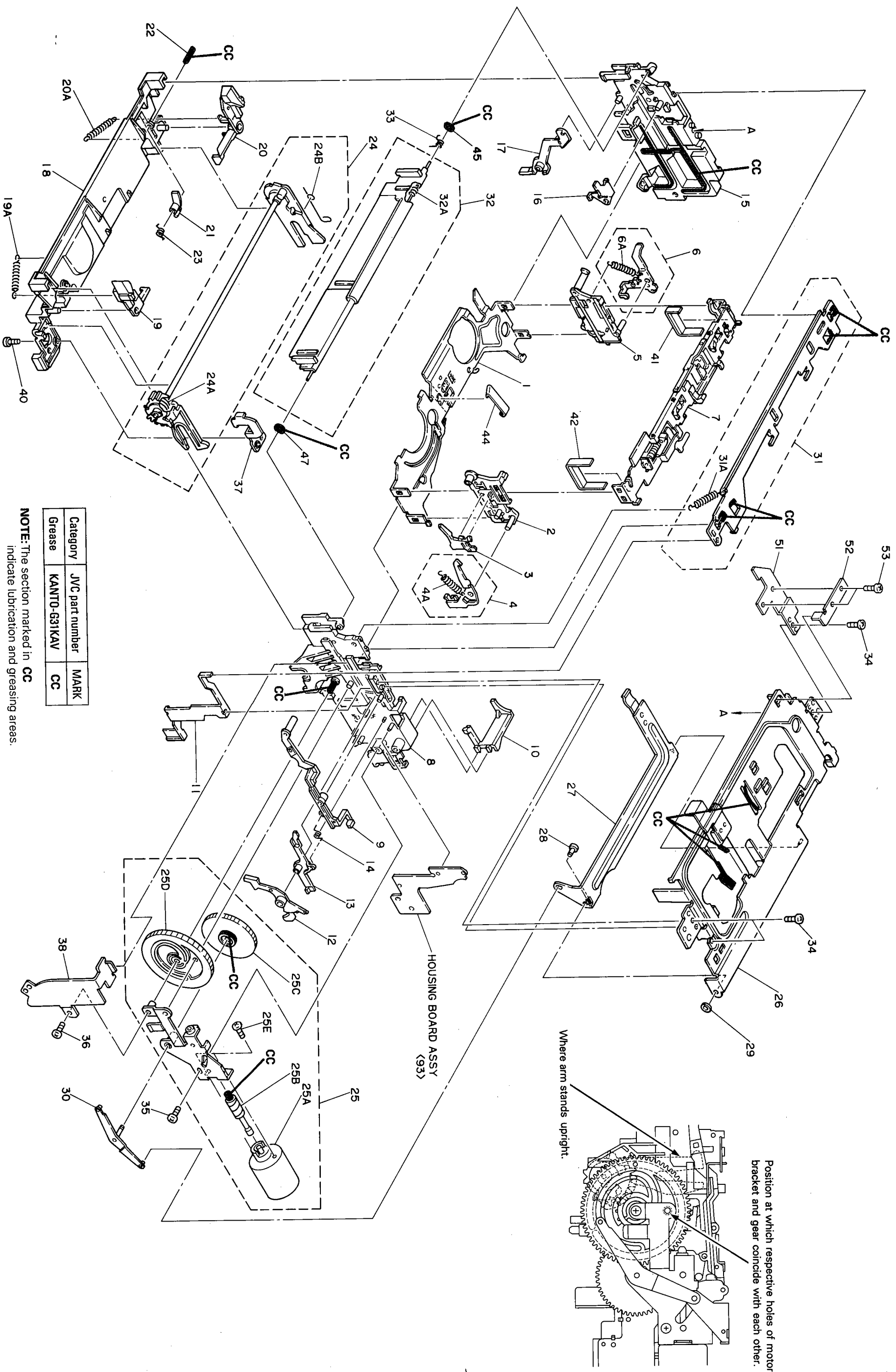
\*\*\*\*\*

## CASSETTE HOUSING ASSEMBLY &lt;M8&gt;

0	PGS20745B-18	CASSETTE HOUSING ASSY
1	PQ34092A-03	CASSETTE HOLDER ASSY
2	PQ11278-01-01	SIDE HOLDER(R)
3	PQ45459	LID OPENER
4	PQ43596A-5	LOCK LEVER(R) ASSY
4A	PQ43597-1-5	TENSION SPRING
5	PQ11279	SIDE HOLDER(L)
6	PQ45539A-01	LOCK LEVER(L) ASSY
6A	PQ43597-2	TENSION SPRING
7	PQ21327A-09	HOLDER STAY ASSY
8	PQ11281-01-06	HOUSING STAY(R)
9	PQ34096	DOOR SENSOR
10	PQ34097	LID GUIDE
11	PQ45477	FC CHENGE LEVER
12	PQ34098	SENSOR LEVER
13	PQ34099	C INSERT LEVER
14	PQ45478	TORSION SPRING
15	PQ11282-01-07	HOUSING STAY(L)
16	PQ45479-01-02	DOOR STOPPER
17	PQ34100	DOOR OPENER
18	PQ11283-01-03	FRONT BRACKET
19	PQ45480A-02	DOOR LOCK(R) ASSY
19A	PQM30001-340	TENSION SPRING
20	PQ45481A-03	DOOR LOCK(L) ASSY
20A	PQM30001-340	TENSION SPRING
21	PQ45482	C DOOR LOCK
22	PQM30015-93	SHAFT
23	PQ45483-01-01	TORSION SPRING
24	PQ34103A-04	MAIN ARM ASSY
24A	PRD43806	TORSION SPRING
24B	PQ43605	TORSION SPRING
25	PQ34107A-03	DRIVE UNIT ASSY
25A	PQ45489A	MOTOR ASSY
25B	PQ45474	WORM GEAR
25C	PQ34109-01-01	CONNECT GEAR
25D	PQ34110-01-01	IDLER CAM
25E	SPSP3003Z	SCREW, X2
26	PQ34111A-05	TOP FRAME ASSY
27	PQ34112A-01	HOLD PLATE ASSY
28	PQ45464	PIN
29	PQM30017-25	SLIT WASHER
30	PQ45493A	HOLD LEVER ASSY
31	PQ34128A-02	FC PLATE ASSY
31A	PQM30001-341	TENSION SPRING
32	PQ34114A-08	DOOR ASSY
32A	PQ45496-01-02	TORSION SPRING
33	PRD44021	TORSION SPRING
34	SDSF2606Z	SCREW, X3
35	SDSF2608Z	SCREW, X1
36	SDSF2612Z	SCREW
37	PRD43729	BASE BRACKET
38	PRD43730	GEAR BRACKET
40	SDSP2603Z	SCREW

#△ REF No. PART No. PART NAME, DESCRIPTION

41	PRD43776-01-01	TEPHRON SHEET
42	PRD43776-02-01	TEPHRON SHEET
44	PRD30030-87	PAD
45	Q03093-828	WASHER
46	PRD30030-71	PAD
47	Q03093-826	WASHER
48	PRD30030-72	PAD
51	PRD44177	C DOOR STOPPER
52	PRD44178	STOPPER
53	SDSP2603Z	SCREW, X2

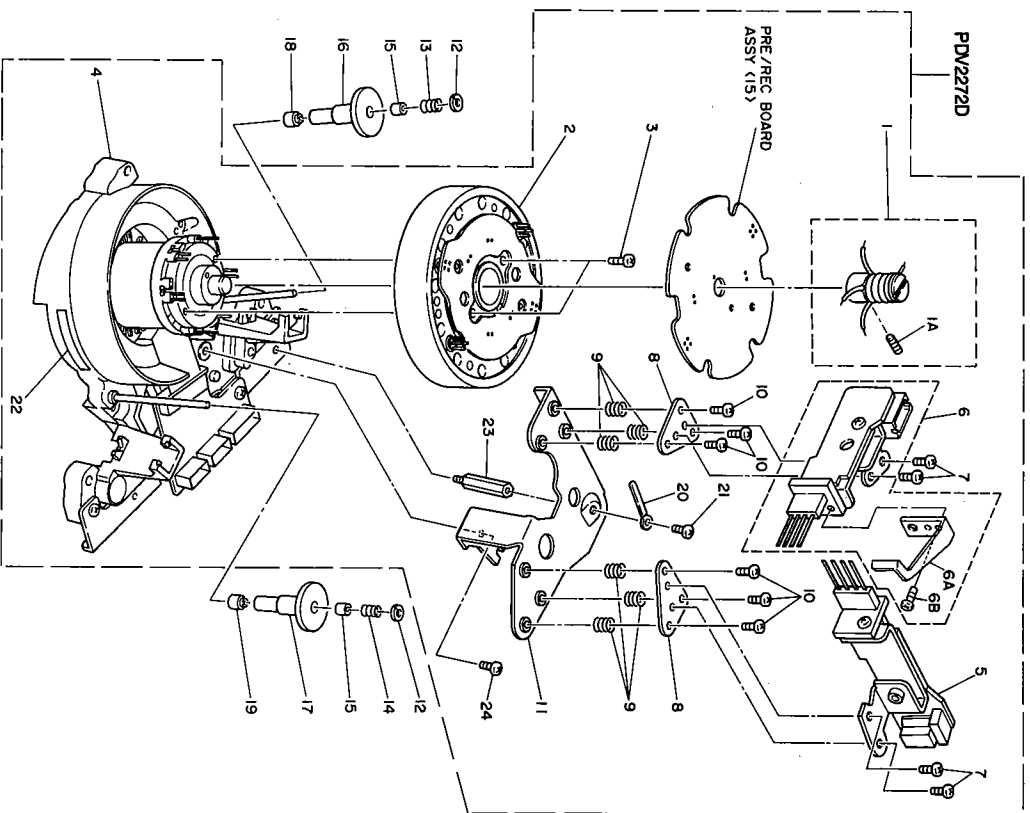


Category	JVC part number	MARK
Grease	KANTO-631KAV	CC

**NOTE:** The section marked in CC indicate lubrication and greasing areas.

DRUM ASSEMBLY <M9A>

1.1 Drum assembly (BR-S622U/S622U/S522U) <M9A>

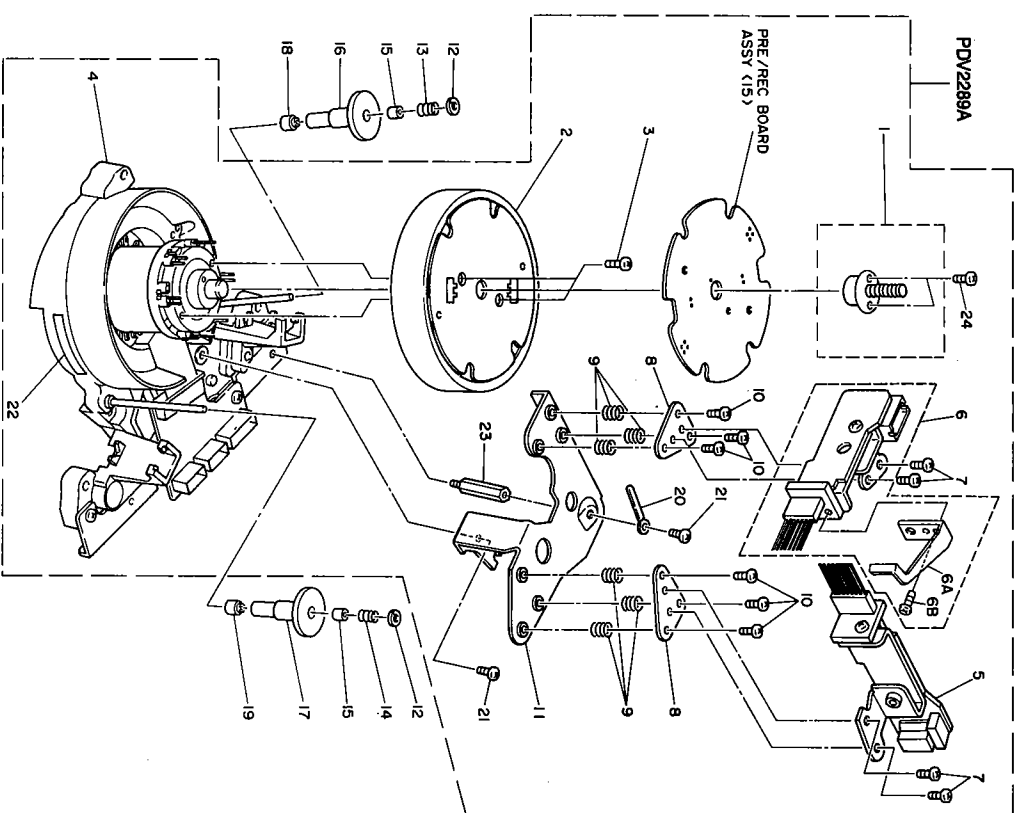


ASSEMBLY (S822U/S622U/S522U) **M9A**

PART NO.		PART NAME, DESCRIPTION	
*****			
M ASSEMBLY (S822U/S622U/S522U) <M9A>			
PDV2272D	DRUM ASSY		
PGZ01630	SLIP RING ASSY		
PGZ01872	SLIP RING ASSY		
YFS2603B	SET SCREW		
PRD20380B-1	UPPER DRUM ASSY		
PRD20380D	UPPER DRUM ASSY		
PDM4264A	DRUM SCREW ASSY, X2		
PRD20382D-9	LOWER DRUM MOTOR ASSY		
PRD20382D-8	LOWER DRUM MOTOR ASSY		
PRD43986A	BRUSH ASSY(A)		
PRD43986B	BRUSH ASSY(B)		
PRD44176	BRUSH PROTECTOR		
SPSP2006Z	SCREW		
BYS2605FS	S.BOLT, X4		

#/Δ REF No.	PART No.	PART NAME, DESCRIPTION
8	PRD43978	M.PLATE, X2
9	PRD30023-51	COMPRESSION SPRING, X6
10	BYS2606FS	S.BOLT, X6
11	PRD30921	BRUSH BASE
12	PQM30017-25	SLIT WASHER, X2 NOT INCL.
13	PRD30023-42	COMPRESSION SPRING(S), NOT INCL
14	PRD30023-43	COMP. SPRING(T), NOT INCL
15	PRD43675	COLLAR, X2 NOT INCL
16	PGZ01667	INERTIA ROLLER ASSY(S), NOT INCL
17	PGZ01667-02	INERTIA ROLLER ASSY(T), NOT INCL
18	PRD43675-02	COLLAR(S), NOT INCL
19	PRD43675-03-01	COLLAR(T), NOT INCL
20	PU49485-3	WIRE CLAMP
21	PRD30027-04	SCREW
22	PDM4067	PART NO. LABEL
23	PRD43979	STUD
24	PRD30027-04	SPECIAL SCREW

5.9.2 Drum assembly (BR-S525U) <M9B>



DRUM ASSEMBLY ( S525U ) **M9B**

#Δ REF No.	PART No.	PART NAME, DESCRIPTION
*****		
DRUM ASSEMBLY ( S525U ) <M9B>		
Δ 0	PDV2289A	DRUM ASSY
1	PGZ01760-06	SLIP RING ASSY
2	PRD20448A	UPPER DRUM ASSY
3	PDM4264A	DRUM SCREW ASSY, X2
4	PRD20382C-11	LOWER DRUM MOTOR ASSY
5	PRD43938A	BRUSH SUB ASSY
6	PRD43938B	BRUSH SUB AS(B)
6A	PRD44176	BRUSH PROTECTOR
6B	SPSP2006Z	SCREW
7	BYS2606FS	S.BOLT, X4
8	PRD43978	MOUNT PLATE, X2
9	PRD30023-51	COMPRESSION SPRING, X6
10	BYS2606FS	S.BOLT, X6

#Δ REF No.	PART No.	PART NAME, DESCRIPTION
11	PRD30921-02	BRUSH BASE
12	POM30017-25	SLIT WASHER, X2 NOT INCL
13	PRD30023-42	COMPRESSION SPRING(S) NOT INCL
14	PRD30023-52	COMP SPRING (T) NOT INCL
15	PRD43675	COLLAR, X2
16	PGZ01667-04	INERTIA ROLLER ASSY(S)
17	PGZ01667-03	INERTIA ROLLER ASSY(T), NOT INCL
18	PRD43675-02	COLLAR (S) NOT INCL
19	PRD43675-03-01	COLLAR (T) NOT INCL
20	PU49485-3	WIRE CLAMP
21	PRD30027-04	SPECIAL SCREW, X2
22	PDM4067	PART NO. LABEL
23	PRD43979	STUD
24	SPBK1711M	SCREW, X2

**M9B**

\*\*\*\*\*

DRUM ASSEMBLY ( S525U ) <M9B>

#Δ REF No.	PART NO.	PART NAME, DESCRIPTION
11	PRD30921-02	BRUSH BASE
12	PQM30017-25	SLT WASHER, X2 NOT INCL
13	PRD30023-42	COMPRESSION SPRING(S) NOT INCL
14	PRD30023-52	COMP SPRING (T) NOT INCL
15	PRD43675	COLLAR, X2
16	PGZ01667-04	INERTIA ROLLER ASSY(S)
17	PGZ01667-03	INERTIA ROLLER ASSY(T), NOT INCL
18	PRD43675-02	COLLAR (S) NOT INCL
19	PRD43675-03-01	COLLAR (T) NOT INCL
20	PU49485-3	WIRE CLAMP
21	PRD30027-04	SPECIAL SCREW, X2
22	PDM4067	PART NO. LABEL
23	PRD43979	STUD
24	SPBK1711M	SCREW, X2



## SECTION 6

### ELECTRICAL PARTS LIST

#### Notes:

- Parts identified by the  $\triangle$  symbol critical for safety. Replace only with parts having the specified parts numbers.
  - Since this section only the following boards which are different from those of original models.
    - MOTHER-1 board
    - MOTHER-2 board
    - AUDIO-3 board
    - AVM/ON SCREEN board
- For other board assemblies, refer to the service manual No. 9246C for the BR-S822U/BR-S622U/BR-S522U, No. 9272 for the BR-S525U.
- In case Model Name(Example:S822U)indicate on the header or Part Name column of the P.C. board assembly lists, event the part or the P.C. board assembly is for exclusive use of the specified models.

#### Example 1 :

R147 QRSA08J-332YN RESISTOR, S822U/S622U 3.3 k $\Omega$ , 1/10W

In this case, the resistor (R147) is used in the BR-S822U, the BR-S622U only.

#### Example 2 :

— AUDIO-6 BOARD ASS'Y, BR-S822U/BR-S622U —

PWBA PRK30066A1 AUDIO-6 BOARD ASS'Y

In the above case, the AUDIO-6 Board Ass'y is the circuit board assembly that exclusively used for the BR-S822U, the BR-S622U.

Parts without any remark are used in both the models in common.

## #△ REF No. PART No. PART NAME, DESCRIPTION

- BR-S 8 2 2 U / BR-S 6 2 2 U / BR-S 5 2 2 U -

## MOTHER-1 BOARD ASSEMBLY &lt;01&gt;

PWBA PRK10113F-01 MOTHER-1 BOARD ASSY, S822/S622  
 PWBA PRK10113B-02 MOTHER-1 BOARD ASSY, S522

CL1 PEME0802 CLAMP, × 7  
 CL2 PGZ01377-03 STYLE PIN, × 2

CN1 PGZ01783-44 FEMALE CONNECTOR  
 CN2 PGZ01783-44 FEMALE CONNECTOR  
 CN3 PGZ01783-44 FEMALE CONNECTOR  
 CN4 PGZ01783-44 FEMALE CONNECTOR  
 CN7 PGZ01783-44 FEMALE CONNECTOR  
 CN8 PGZ01783-44 FEMALE CONNECTOR  
 CN9 PU59513-8 CONNECTOR  
 CN10 PU59513-2 CONNECTOR

CN11 PU59513-8 CONNECTOR  
 CN12 PU59513-5 CONNECTOR  
 CN13 PU59513-6 CONNECTOR  
 CN14 PU59513-7 CONNECTOR  
 CN15 PU59513-4Y CONNECTOR  
 CN17 PU59513-5 CONNECTOR  
 CN18 PU59513-8 CONNECTOR  
 CN19 PU59513-7 CONNECTOR  
 CN20 PU59513-2 CONNECTOR

CN21 PU60329-120 CONNECTOR  
 CN22 PU60329-120 CONNECTOR  
 CN23 PU59513-2R CONNECTOR  
 CN24 PU59513-6 CONNECTOR  
 CN25 PU59513-2Y CONNECTOR, S822/S622  
 CN26 PU59513-2R CONNECTOR, S822/S622  
 CN27 PU59513-4 CONNECTOR  
 CN28 PU59513-2R CONNECTOR  
 CN29 PU59513-2 CONNECTOR  
 CN30 PU59513-4R CONNECTOR

CN31 PU59513-2 CONNECTOR  
 CN32 PU59513-5 CONNECTOR  
 CN33 PU59513-2 CONNECTOR  
 CN34 PU59513-2R CONNECTOR  
 CN35 PU59513-5R CONNECTOR  
 CN36 PU59513-2 CONNECTOR, S822/S622  
 CN37 PU59513-2R CONNECTOR  
 CN38 PU59513-2 CONNECTOR  
 CN39 PU59513-2R CONNECTOR  
 CN40 PU59513-2Y CONNECTOR

CN41 PU59513-2 CONNECTOR  
 CN45 PU58844-2 CONNECTOR

CN80 PU59513-2 CONNECTOR

## #△ REF No. PART No. PART NAME, DESCRIPTION

- BR-S 5 2 5 U -

## MOTHER-1 BOARD ASSEMBLY &lt;01&gt;

PWBA PRK10149D MOTHER-1 BOARD ASSY

CL1 PEME0802 CLAMP, × 6

CN1 PGZ01783-44 FEMALE CONNECTOR  
 CN2 PGZ01783-44 FEMALE CONNECTOR  
 CN3 PGZ01783-44 FEMALE CONNECTOR  
 CN4 PGZ01783-44 FEMALE CONNECTOR  
 CN5 PGZ01783-44 CONNECTOR  
 CN6 PGZ01783-44 CONNECTOR  
 CN7 PGZ01783-44 CONNECTOR  
 CN8 PGZ01783-44 CONNECTOR  
 CN9 PU59513-8 CONNECTOR  
 CN10 PU59513-2 CONNECTOR

CN11 PU59513-8 CONNECTOR  
 CN12 PU59513-5 CONNECTOR  
 CN13 PU59513-6 CONNECTOR  
 CN14 PU59513-7 CONNECTOR  
 CN15 PU59513-4Y CONNECTOR  
 CN17 PU59513-5 CONNECTOR  
 CN18 PU59513-8 CONNECTOR  
 CN19 PU59513-7 CONNECTOR  
 CN20 PU59513-2 CONNECTOR

CN21 PU60329-120 CONNECTOR  
 CN22 PU60329-120 CONNECTOR  
 CN23 PU59513-2R CONNECTOR  
 CN24 PU59513-6 CONNECTOR  
 CN27 PU59513-4 CONNECTOR  
 CN28 PU59513-2R CONNECTOR  
 CN29 PU59513-2 CONNECTOR  
 CN30 PU59513-4R CONNECTOR

CN31 PU59513-2 CONNECTOR  
 CN32 PU59513-5 CONNECTOR  
 CN33 PU59513-2 CONNECTOR  
 CN34 PU59513-2R CONNECTOR  
 CN35 PU59513-5R CONNECTOR  
 CN37 PU59513-2R CONNECTOR  
 CN38 PU59513-2 CONNECTOR  
 CN39 PU59513-2R CONNECTOR  
 CN40 PU59513-2Y CONNECTOR

CN41 PU59513-2 CONNECTOR  
 CN42 PU59513-2 CONNECTOR  
 CN43 PU59513-3 CONNECTOR  
 CN44 PU59513-2 CONNECTOR  
 CN45 PU58844-2 CONNECTOR

CN80 PU59513-2 CONNECTOR

#△ REF No. PART No. PART NAME, DESCRIPTION

**MOTHER-2 BOARD ASSEMBLY <02>**

PWBA	PRK10111F-01	MOTHER-2 BOARD ASSY, S822/S622
PWBA	PRK10111B-02	MOTHER-2 BOARD ASSY, S522
PWBA	PRK10111D-02	MOTHER-2 BOARD ASSY, S525

R1	QRD161J-151	RESISTOR	150Ω, 1/6W
----	-------------	----------	------------

CL1	PEME0802	CLAMP, × 8
CL2	PGZ01377-03	STYLE PIN, × 3

SPC1	PRD42222	INSULATOR
SPC2	PRD30030-59	PAD

WR1	PGW0205-050200	FLAT WIRE, NOT INCLUDED
WR2	PGW0201-050201	PARALLEL WIRE, NOT INCLUDED

CN1	PGZ01783-64	FEMALE CONNECTOR
CN2	PGZ01783-64	FEMALE CONNECTOR
CN3	PGZ01783-64	FEMALE CONNECTOR
CN4	PGZ01783-64	FEMALE CONNECTOR
CN5	PGZ01783-64	FEMALE CONNECTOR
CN6	PGZ01783-64	FEMALE CONNECTOR
CN7	PGZ01783-64	FEMALE CONNECTOR
CN8	PGZ01783-64	FEMALE CONNECTOR
CN9	PGZ01783-64	FEMALE CONNECTOR
CN10	PGZ01783-64	FEMALE CONNECTOR

CN11	PU60329-120	CONNECTOR
CN12	PU59513-2	CONNECTOR
CN13	PU60329-120	CONNECTOR
CN14	PU59513-2Y	CONNECTOR, S822/S622
CN15	PU59513-7	CONNECTOR
CN16	PU59513-4	CONNECTOR
CN17	PU58844-6	CONNECTOR
CN18	PU59513-3	CONNECTOR
CN19	PU59513-2	CONNECTOR
CN20	PU58844-10	CONNECTOR

CN21	PU59513-8	CONNECTOR
CN22	PU59513-2	CONNECTOR
CN23	PU58844-9	CONNECTOR
CN24	PU59513-2	CONNECTOR, S822/S622
CN26	PU59513-2Y	CONNECTOR, S822/S622
CN27	PU59513-5	CONNECTOR
CN28	PU59513-4	CONNECTOR, S822/S622
CN29	PU59513-4	CONNECTOR
CN30	PU59513-6	CONNECTOR

CN31	PU59513-4	CONNECTOR
CN32	PU59513-4R	CONNECTOR
CN33	PU59513-4R	CONNECTOR, S822/S622
CN34	PU59513-4Y	CONNECTOR
CN36	PU59513-7	CONNECTOR
CN37	PU59513-5R	CONNECTOR
CN38	PU59513-8	CONNECTOR

#△ REF No. PART No. PART NAME, DESCRIPTION

CN41	PU59513-2	CONNECTOR, S822/S622
CN42	PU59513-4Y	CONNECTOR
CN44	PU59513-4Y	CONNECTOR
CN45	PU59513-4Y	CONNECTOR
CN46	PU59513-4	CONNECTOR
CN47	PU59513-5	CONNECTOR
CN48	PU59513-3	CONNECTOR
CN49	PU59513-3R	CONNECTOR
CN50	PU59513-8	CONNECTOR

CN51	PU58844-5	CONNECTOR
CN52	PU59513-6	CONNECTOR
CN53	PU59513-4R	CONNECTOR
CN54	PU59513-5R	CONNECTOR
CN55	PU59513-5	CONNECTOR
CN56	PU58844-4R	CONNECTOR
CN57	PU58844-4Y	CONNECTOR
CN58	PU58844-3	CONNECTOR
CN59	PU58844-4	CONNECTOR
CN60	PU58844-2	CONNECTOR

CN61	PU58844-4	CONNECTOR
CN62	PU58844-4R	CONNECTOR
CN63	PU58844-6	CONNECTOR
CN64	PEMC0769-004	CONNECTOR
CN65	PEMC0769-002	CONNECTOR
CN66	PU59513-2R	CONNECTOR, S822/S622
CN67	PU59513-2	CONNECTOR, S822/S622
CN68	PU59513-4R	CONNECTOR
CN69	PU59513-2	CONNECTOR, S822/S622
CN70	PU59513-6	CONNECTOR

CN71	PU59513-5	CONNECTOR
CN72	PU59513-7	CONNECTOR
CN73	PU59513-2	CONNECTOR
CN74	PU60251-4	CONNECTOR
CN75	PU59513-4	CONNECTOR, S522/S525
CN76	PU59513-2Y	CONNECTOR
CN77	PU59513-2	CONNECTOR
CN78	PU58844-7	CONNECTOR, S525
CN79	PU59513-2	CONNECTOR, S525
CN80	PU59513-2	CONNECTOR, S522/S525

**AUDIO-3 BOARD ASSEMBLY <23>**

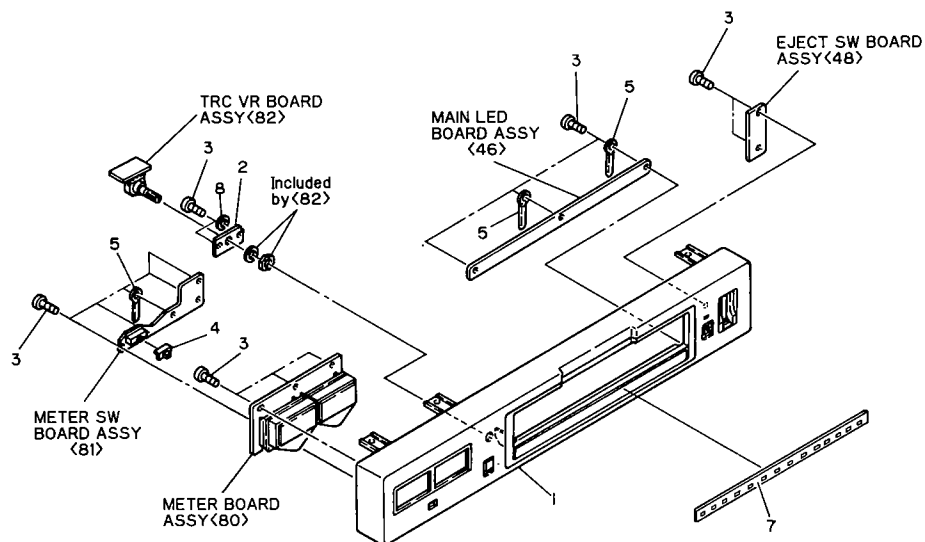
PWBA	PRK10115A	AUDIO-3 BOARD ASSY, S822/S622
PWBA	PRK10115C	AUDIO-3 BOARD ASSY, S522/S525

IC1	JCP0038	IC
IC2	M5278D12	IC
IC3	M5278D05	IC
IC4	M5278D05	IC, S822/S622
IC5	M5278D09	IC, S822/S622
IC6	BA7743FS	IC
IC7	AN6041	IC, S822/S622
IC8	M5278L05	IC
IC9	TL082CP	IC, S822/S622

#	REF No.	PART No.	PART NAME, DESCRIPTION	#	REF No.	PART No.	PART NAME, DESCRIPTION
Q1		2SC2412K	TRANSISTOR	R44		QRSA08J-303YN	RESISTOR 30k $\Omega$ , 1/10W
Q4		2SC2412K	TRANSISTOR, S822/S622	R45		QRSA08J-0R0Y	RESISTOR 0 $\Omega$ , 1/10W
Q5		2SA1037K	TRANSISTOR, S822/S622	R47		QRSA08J-103YN	RESISTOR 10k $\Omega$ , 1/10W
Q8		DTC124EK	TRANSISTOR	R48		QRSA08J-473YN	RESISTOR 47k $\Omega$ , 1/10W
Q11		2SK30A-O	FE TRANSISTOR, S822/S622	R49		QRSA08J-102YN	RESISTOR 1k $\Omega$ , 1/10W
Q12		2SK30A-O	FE TRANSISTOR, S822/S622	R50		QRSA08J-102YN	RESISTOR 1k $\Omega$ , 1/10W
Q13		DTC124EK	TRANSISTOR, S822/S622	R51		QRSA08J-682YN	RESISTOR, S822/S622 6.8k $\Omega$ , 1/10W
D1		1SS133	DIODE	R52		QRSA08J-682YN	RESISTOR 6.8k $\Omega$ , 1/10W
D2		1SS133	DIODE, S822/S622	R53		QRSA08J-392YN	RESISTOR 3.9k $\Omega$ , 1/10W
D3		1SS136	DIODE, S822/S622	R54		QRSA08J-472YN	RESISTOR 4.7k $\Omega$ , 1/10W
D4		1SS136	DIODE, S822/S622	R55		QVZ3513-153	V RESISTOR 15k $\Omega$
D5		1SS133	DIODE	R58		QRSA08J-102YN	RESISTOR, S822/S622 1k $\Omega$ , 1/10W
R1		QRSA08J-432YN	RESISTOR, S822/S622 4.3k $\Omega$ , 1/10W	R59		QRSA08J-122YN	RESISTOR 1.2k $\Omega$ , 1/10W
R1		QRSA08J-103YN	RESISTOR, S522/S525 10k $\Omega$ , 1/10W	R60		QRSA08J-122YN	RESISTOR 1.2k $\Omega$ , 1/10W
R2		QRSA08J-432YN	RESISTOR, S822/S622 4.3k $\Omega$ , 1/10W	R61		QRSA08J-152YN	RESISTOR 1.5k $\Omega$ , 1/10W
R2		QRSA08J-103YN	RESISTOR, S522/S525 10k $\Omega$ , 1/10W	R62		QRSA08J-152YN	RESISTOR 1.5k $\Omega$ , 1/10W
R3		QRSA08J-332YN	RESISTOR, S822/S622 3.3k $\Omega$ , 1/10W	R63		QRSA08J-8R2YN	RESISTOR, S822/S622 8.2 $\Omega$ , 1/10W
R3		QRSA08J-103YN	RESISTOR, S522/S525 10k $\Omega$ , 1/10W	R64		QRSA08J-224YN	RESISTOR, S822/S622 220k $\Omega$ , 1/10W
R4		QRSA08J-332YN	RESISTOR, S822/S622 3.3k $\Omega$ , 1/10W	R67		QRSA08J-102YN	RESISTOR, S822/S622 1k $\Omega$ , 1/10W
R4		QRSA08J-103YN	RESISTOR, S522/S525 10k $\Omega$ , 1/10W	R75		QRSA08J-912YN	RESISTOR, S822/S622 9.1k $\Omega$ , 1/10W
R5		QRSA08J-0R0Y	RESISTOR 0 $\Omega$ , 1/10W	R76		QRSA08J-332YN	RESISTOR, S822/S622 3.3k $\Omega$ , 1/10W
R7		NRVA62D-511N	RESISTOR 510 $\Omega$ , 1/16W	R77		QRSA08J-123YN	RESISTOR, S822/S622 12k $\Omega$ , 1/10W
R8		NRVA62D-511N	RESISTOR 510 $\Omega$ , 1/16W	R78		QRSA08J-332YN	RESISTOR, S822/S622 3.3k $\Omega$ , 1/10W
R9		QRSA08J-472YN	RESISTOR 4.7k $\Omega$ , 1/10W	R78		QRSA08J-0R0Y	RESISTOR, S522/S525 0 $\Omega$ , 1/10W
R10		QRSA08J-472YN	RESISTOR 4.7k $\Omega$ , 1/10W	R79		QRSA08J-333YN	RESISTOR, S822/S622 33k $\Omega$ , 1/10W
R11		QRSA08J-513YN	RESISTOR 51k $\Omega$ , 1/10W	R80		QRSA08J-123YN	RESISTOR, S822/S622 12k $\Omega$ , 1/10W
R12		QRSA08J-513YN	RESISTOR 51k $\Omega$ , 1/10W	R81		QRSA08J-102YN	RESISTOR, S822/S622 1k $\Omega$ , 1/10W
R13		QRSA08J-562YN	RESISTOR 5.6k $\Omega$ , 1/10W	R82		QRSA08J-102YN	RESISTOR, S822/S622 1k $\Omega$ , 1/10W
R14		QRSA08J-472YN	RESISTOR 4.7k $\Omega$ , 1/10W	R83		QRSA08J-561YN	RESISTOR, S822/S622 560 $\Omega$ , 1/10W
R15		QVZ3513-473	V RESISTOR 47k $\Omega$	R84		QRSA08J-102YN	RESISTOR, S822/S622 1k $\Omega$ , 1/10W
R16		QVZ3513-473	V RESISTOR 47k $\Omega$	R85		QRSA08J-122YN	RESISTOR 1.2k $\Omega$ , 1/10W
R17		QRSA08J-101YN	RESISTOR 100 $\Omega$ , 1/10W	R86		QRSA08J-0R0Y	RESISTOR 0 $\Omega$ , 1/10W
R18		QRSA08J-101YN	RESISTOR 100 $\Omega$ , 1/10W	R87		QRSA08J-684YN	RESISTOR, S822/S622 680k $\Omega$ , 1/10W
R21		QRSA08J-101YN	RESISTOR 100 $\Omega$ , 1/10W	R88		QRSA08J-684YN	RESISTOR, S822/S622 680k $\Omega$ , 1/10W
R22		QRSA08J-101YN	RESISTOR 100 $\Omega$ , 1/10W	R89		QRSA08J-684YN	RESISTOR, S822/S622 680k $\Omega$ , 1/10W
R23		QRSA08J-822YN	RESISTOR 8.2k $\Omega$ , 1/10W	R90		QRSA08J-684YN	RESISTOR, S822/S622 680k $\Omega$ , 1/10W
R24		QRSA08J-822YN	RESISTOR 8.2k $\Omega$ , 1/10W	R91		QRSA08J-683YN	RESISTOR, S822/S622 68k $\Omega$ , 1/10W
R25		QRSA08J-103YN	RESISTOR 10k $\Omega$ , 1/10W	R92		QRSA08J-683YN	RESISTOR, S822/S622 68k $\Omega$ , 1/10W
R26		QRSA08J-103YN	RESISTOR 10k $\Omega$ , 1/10W	C1		QETC1CM-106ZE	E CAPACITOR, S822/S622 10 $\mu$ F, 16V
R27		QRSA08J-123YN	RESISTOR 12k $\Omega$ , 1/10W	C2		QETC1CM-106ZE	E CAPACITOR, S822/S622 10 $\mu$ F, 16V
R28		QRSA08J-103YN	RESISTOR 10k $\Omega$ , 1/10W	C3		QETC1CM-106ZE	E CAPACITOR 10 $\mu$ F, 16V
R29		QVZ3513-103	V RESISTOR 10k $\Omega$	C4		QETC1CM-106ZE	E CAPACITOR 10 $\mu$ F, 16V
R30		QVZ3513-682	V RESISTOR 6.8k $\Omega$	C5		QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V
R33		QRSA08J-222YN	RESISTOR 2.2k $\Omega$ , 1/10W	C6		QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V
R34		QRSA08J-222YN	RESISTOR 2.2k $\Omega$ , 1/10W	C7		QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V
R35		QRSA08J-273YN	RESISTOR 27k $\Omega$ , 1/10W	C8		QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V
R36		QRSA08J-273YN	RESISTOR 27k $\Omega$ , 1/10W	C9		QETC1AM-336ZE	E CAPACITOR 33 $\mu$ F, 10V
R37		QRSA08J-561YN	RESISTOR 560 $\Omega$ , 1/10W	C10		QETC1AM-336ZE	E CAPACITOR 33 $\mu$ F, 10V
R38		QRSA08J-750YN	RESISTOR 75 $\Omega$ , 1/10W	C11		QFN31HJ-473	M CAPACITOR 0.047 $\mu$ F, 50V
R39		QRSA08J-274YN	RESISTOR, S822/S622 270k $\Omega$ , 1/10W	C12		QFN31HJ-473	M CAPACITOR 0.047 $\mu$ F, 50V
R40		QRSA08J-104YN	RESISTOR 100k $\Omega$ , 1/10W	C13		QETC1HM-225	E CAPACITOR 2.2 $\mu$ F, 50V
R41		QRSA08J-822YN	RESISTOR 8.2k $\Omega$ , 1/10W	C14		QETC1HM-225	E CAPACITOR 2.2 $\mu$ F, 50V
R42		QRSA08J-183YN	RESISTOR 18k $\Omega$ , 1/10W	C15		QFN31HJ-333	M CAPACITOR 0.033 $\mu$ F, 50V
R43		QRSA08J-332YN	RESISTOR 3.3k $\Omega$ , 1/10W	C16		QFN31HJ-333	M CAPACITOR 0.033 $\mu$ F, 50V
				C17		PU59499	BUS WIRE, S822/S622

## 5.10 FRONT PANEL assembly

### 5.10.1 Cassette panel assembly <MA>

**CASSETTE PANEL ASSEMBLY** **M A**M A M M ☐ ☐ ☐ ☐

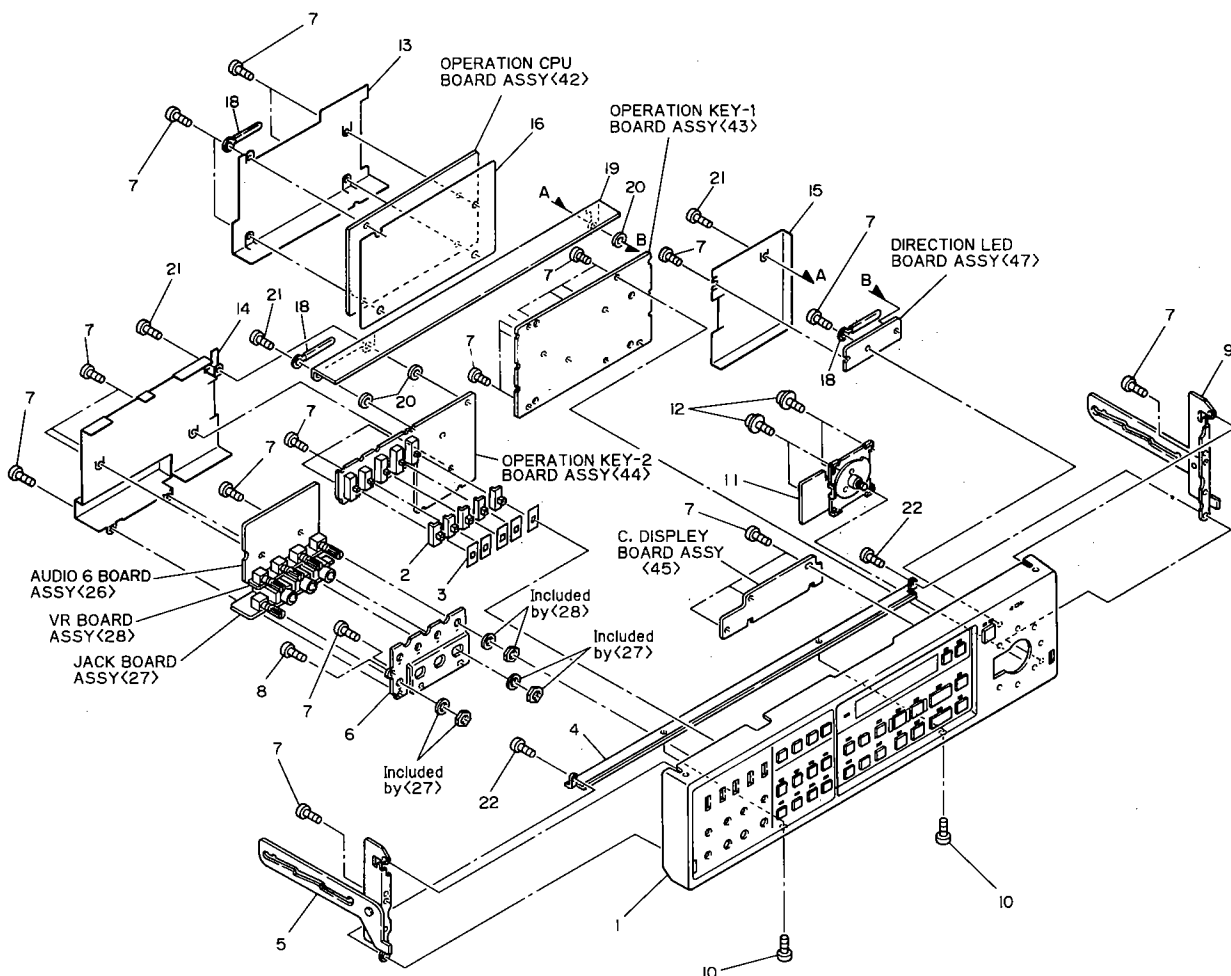
#	REF No.	PART No.	PART NAME, DESCRIPTION
---	---------	----------	------------------------

\*\*\*\*\*

## CASSETTE PANEL ASSEMBLY <MA>

1	PRD10229B-02	CASSETTE PANEL ASSY, S822U
1	PRD10229D-02	CASSETTE PANEL ASSY, S622U
1	PRD10229F-02	CASSETTE PANEL ASSY, S522U
1	PRD10229J-02	CASSETTE PANEL ASSY, S525U
2	PRD43427	VR BRACKET
3	SBSF2606Z	SCREW, X15
4	PRD42927A	SLIDE KNOB ASSY
5	PU49485-4	WIRE CLAMP, X3
7	PRD30726	WINDOW, S822U/S622U
7	PRD30726-02	WINDOW, S522U/S525U
8	WNB2600N	WASHER

## 5.10.2 Operation panel assembly <MB>



### OPERATION PANEL ASSEMBLY ☒ ☐ ☐ ☐ ☐

#△ REF No. PART No. PART NAME, DESCRIPTION

\*\*\*\*\*

#### OPERATION PANEL ASSEMBLY <MB>

1	PRD10230A-05	OPERATION PANEL ASSY, S822U
1	PRD10259A-06	OPERATION PANEL ASSY, S622U
1	PRD10259E-06	OPERATION PANEL ASSY, S522U
1	PRD10259F-06	OPERATION PANEL ASSY, S525U
2	PRD42830	SLIDE KNOB, X5, S822U/S622U
2	PRD42830	SLIDE KNOB, X4, S522U/S525U
3	PRD43146	KNOB PLATE, X5, S822U/S622U
3	PRD43146	KNOB PLATE, X4, S522U/S525U
4	PRD20379	OPERATION BRACKET
5	PRD30732A-01	SIDE BRACKET(L) ASSY
6	PRD43428	VR & JACK BRACKET
7	SBSF2606Z	SCREW, X28
8	LPSP3006Z	ASSY SCREW
9	PRD30733A-01	SIDE BRACKET(R) ASSY
10	PRD43194	SPECIAL SCREW, X2

#△ REF No. PART No. PART NAME, DESCRIPTION

11	PGS20128H-02	SEARCH/JOG CONTROL ASSY, 822U/622U/522U
11	PGS20933A	SEARCH/JOG CONTROL ASSY, S525U
12	DPSP3010Z	SCREW, X4, S822U/S622U/S522U
12	DPSP3016Z	SCREW, X4, S525U
13	PRD30774-01-01	PROTECTOR(A)
14	PRD30775-01-02	PROTECTOR(B), S822U/S622U
14	PRD30775-02-03	PROTECTOR(B), S522U/S525U
15	PRD43477-01-01	PROTECTOR(C)
16	PRD43478	INSULATOR
18	PU49485-4	WIRE CLAMP, X3
19	PRD30850	OPERATION BRACKET
20	PRD30084	WASHER, X3
21	SDSF2610Z	SCREW, X3
22	SDSF2608Z	SCREW, X2

#△ REF No.	PART No.	PART NAME, DESCRIPTION	#△ REF No.	PART No.	PART NAME, DESCRIPTION
C17	QETC1AM-227ZE	E CAPACITOR, S522/S525 220 $\mu$ F, 10V	C74	QEE81AM-107	E CAPACITOR, S822/S622 100 $\mu$ F, 10V
C18	PU59499	BUS WIRE, S822/S622	C75	QETC1HM-105ZE	E CAPACITOR 1 $\mu$ F, 50V
C18	QETC1AM-227ZE	E CAPACITOR, S522/S525 220 $\mu$ F, 10V	C76	QETC1HM-105ZE	E CAPACITOR 1 $\mu$ F, 50V
C19	QETC1CM-106ZE	E CAPACITOR 10 $\mu$ F, 16V	C77	QCYA1HK-102	CAPACITOR 0.001 $\mu$ F, 50V
C20	QETC1CM-106ZE	E CAPACITOR 10 $\mu$ F, 16V	C78	QCYA1HK-102	CAPACITOR 0.001 $\mu$ F, 50V
C21	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V	C79	QCTA1CH-121	CAPACITOR 120pF, 16V
C22	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V	C80	QCTA1CH-121	CAPACITOR 120pF, 16V
C23	QETC1HM-105ZE	E CAPACITOR 1 $\mu$ F, 50V	C81	QCTA1CH-101	CAPACITOR, S822/S622 100pF, 16V
C24	QETC1HM-105ZE	E CAPACITOR 1 $\mu$ F, 50V	C82	QFN31HJ-104	M CAPACITOR, S822/S622 0.1 $\mu$ F, 50V
C25	QFN31HJ-103	M CAPACITOR 0.01 $\mu$ F, 50V	C85	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V
C26	QFN31HJ-103	M CAPACITOR 0.01 $\mu$ F, 50V	C86	QCYA1HK-103	CAPACITOR, S822/S622 0.01 $\mu$ F, 50V
C27	QETC0JM-107ZE	E CAPACITOR 100 $\mu$ F, 6.3V	C87	QEE81CM-476	T. CAPACITOR, S822/S622 47 $\mu$ F, 16V
C28	QETC0JM-107ZE	E CAPACITOR 100 $\mu$ F, 6.3V	C88	QCYA1HK-103	CAPACITOR, S822/S622 0.01 $\mu$ F, 50V
C29	QCYA1HK-102	CAPACITOR 0.001 $\mu$ F, 50V	C91	QETC1EM-476ZE	E CAPACITOR, S822/S622 47 $\mu$ F, 25V
C30	QCYA1HK-102	CAPACITOR 0.001 $\mu$ F, 50V	C95	QCYA1HK-103	CAPACITOR, S822/S622 0.01 $\mu$ F, 50V
C31	QFN31HJ-822	M CAPACITOR 0.0082 $\mu$ F, 50V	C96	QCYA1HK-103	CAPACITOR, S822/S622 0.01 $\mu$ F, 50V
C32	QFN31HJ-822	M CAPACITOR 0.0082 $\mu$ F, 50V	C97	QCYA1HK-222	CAPACITOR, S822/S622 0.0022 $\mu$ F, 50V
C33	QFN31HJ-104	M CAPACITOR 0.1 $\mu$ F, 50V	C98	QCYA1HK-222	CAPACITOR, S822/S622 0.0022 $\mu$ F, 50V
C34	QFN31HJ-104	M CAPACITOR 0.1 $\mu$ F, 50V	C99	QCYA1HK-222	CAPACITOR, S822/S622 0.0022 $\mu$ F, 50V
C35	QFN31HJ-223	M CAPACITOR 0.022 $\mu$ F, 50V	C100	QCYA1HK-222	CAPACITOR, S822/S622 0.0022 $\mu$ F, 50V
C36	QFN31HJ-223	M CAPACITOR 0.022 $\mu$ F, 50V	C101	QETC1CM-476	E CAPACITOR, S822/S622 47 $\mu$ F, 16V
C37	QCTA1CH-821	CAPACITOR 820pF, 16V	C102	QCYA1HK-103	CAPACITOR, S822/S622 0.01 $\mu$ F, 50V
C38	QCTA1CH-821	CAPACITOR 820pF, 16V	C103	QCTA1CH-121	CAPACITOR, S822/S622 120pF, 16V
C39	QFN31HJ-392	M CAPACITOR 0.0039 $\mu$ F, 50V	C104	QCYA1HK-103	CAPACITOR, S822/S622 0.01 $\mu$ F, 50V
C40	QFN31HJ-392	M CAPACITOR 0.0039 $\mu$ F, 50V	C105	QCYA1HK-103	CAPACITOR, S822/S622 0.01 $\mu$ F, 50V
C41	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V	C106	QETC1CM-476ZE	E CAPACITOR, S822/S622 47 $\mu$ F, 16V
C42	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V	C108	QCYA1HK-333	CAPACITOR 0.033 $\mu$ F, 50V
C43	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V	C109	QCTA1CH-101	CAPACITOR, S822/S622 100pF, 16V
C44	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V	C110	QETC1CM-476ZE	E CAPACITOR, S822/S622 47 $\mu$ F, 16V
C45	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V	C111	QFN31HJ-104	M CAPACITOR, S822/S622 0.1 $\mu$ F, 50V
C46	QETC1HM-105ZE	E CAPACITOR 1 $\mu$ F, 50V	C112	QFN31HJ-104	M CAPACITOR, S822/S622 0.1 $\mu$ F, 50V
C47	QCTA1CH-471	CAPACITOR 470pF, 16V	C113	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V
C48	QCTA1CH-561	CAPACITOR 560pF, 16V	C114	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V
C49	QCYA1EK-104	CAPACITOR 0.1 $\mu$ F, 25V			
C50	QEE81AM-476	TANTAL CAPACITOR 47 $\mu$ F, 10V			
C51	QCTA1CH-101	CAPACITOR 100pF, 16V	L1	PU30284-1R	COIL 100 $\mu$ H
C52	QCTA1CH-101	CAPACITOR 100pF, 16V	L2	PU30284-1R	COIL 100 $\mu$ H
C53	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V	L6	PU48530-101K	COIL 100 $\mu$ H
C54	QCYA1EK-473	CAPACITOR 0.047 $\mu$ F, 25V	L7	PU48530-101K	COIL, S822/S622 100 $\mu$ H
C55	QETC0JM-107ZE	E CAPACITOR 100 $\mu$ F, 6.3V			
C56	QETC0JM-107ZE	E CAPACITOR 100 $\mu$ F, 6.3V	BPF3	PU60396	BAND PASS FILTER, $\times 2$ (BPF3, 4)
C57	QETC1AM-107ZE	E CAPACITOR 100 $\mu$ F, 10V			
C58	QETC1AM-476	E CAPACITOR 47 $\mu$ F, 10V	△ K1	PGZ00354	FERRITE BEADS, $\times 2$ (K1, K2)
C59	QETC1EM-337ZE	E CAPACITOR 330 $\mu$ F, 25V			
C60	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V	EJ1	PGZ00582	EJECTOR, $\times 2$
C61	QETC1EM-107ZE	E CAPACITOR 100 $\mu$ F, 25V	STK1	PRD30072-58	STICKER
C62	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V			
C63	QEE81AM-476	TANTAL CAPACITOR 47 $\mu$ F, 10V	TP1	PU54983	TEST PIN, $\times 16$
C64	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V			
C65	QCYA1HK-102	CAPACITOR 0.001 $\mu$ F, 50V	CN1	PGZ00421-64	MALE CONNECTOR
C67	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V	CN2	PU58844-6	CONNECTOR
C68	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V			
C69	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V			
C70	QEE81AM-107	E CAPACITOR 100 $\mu$ F, 10V			
C71	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V			
C72	QCYA1HK-103	CAPACITOR 0.01 $\mu$ F, 50V			
C73	QCYA1HK-103	CAPACITOR, S822/S622 0.01 $\mu$ F, 50V			

## #△ REF No. PART No. PART NAME, DESCRIPTION

## AV M/ONSC BOARD ASSY &lt;41&gt;

PWBA PRK20089E AV M/ONSC BOARD ASSY

IC2	TC74HC4066AP	IC
IC3	NJM2233BD	IC
IC4	M50554-263SP	IC
IC5	M52684AP	IC
IC6	NJM2233BD	IC
IC7	M52684AP	IC
IC9	UPC319C	IC
IC10	TC74HC00AP	IC
IC11	TC4013BP	IC
IC12	M51957BL	IC
IC13	UPD75116CW-A03	IC
IC14	M54519P	IC
IC15	M54519P	IC
IC17	TC74HC00AP	IC
IC18	M5278D12	IC
IC19	M5278L05	IC
IC20	UPC78N05	IC
Q1	2SC1740S(QRS)	TRANSISTOR
Q2	2SA933S(RS)	TRANSISTOR
Q3	2SA933S(RS)	TRANSISTOR
Q4	2SC1740S(QRS)	TRANSISTOR
Q5	2SC1740S(QRS)	TRANSISTOR
Q6	2SC1740S(QRS)	TRANSISTOR
Q7	2SC1740S(QRS)	TRANSISTOR
Q8	2SC1740S(QRS)	TRANSISTOR
Q9	2SA933S(RS)	TRANSISTOR
Q10	2SA933S(RS)	TRANSISTOR
Q11	2SC1740S(QRS)	TRANSISTOR
Q12	2SC1740S(QRS)	TRANSISTOR
Q13	2SA933S(RS)	TRANSISTOR
Q14	2SA933S(RS)	TRANSISTOR
Q15	2SA933S(RS)	TRANSISTOR
Q16	2SC1740S(QRS)	TRANSISTOR
Q17	2SC1740S(QRS)	TRANSISTOR
Q18	2SC1740S(QRS)	TRANSISTOR
Q19	2SC1740S(QRS)	TRANSISTOR
Q20	2SC1740S(QRS)	TRANSISTOR
Q21	2SC1740S(QRS)	TRANSISTOR
Q22	2SC1740S(QRS)	TRANSISTOR
D1	1SS133	DIODE
D2	1SS133	DIODE
D3	1SS133	DIODE
D5	MA27TB	DIODE
D6	1SS133	DIODE
D7	1SS133	DIODE
D8	1SS133	DIODE
D9	1SS133	DIODE
D10	1SS133	DIODE
D11	RD7.5EB2	ZENER DIODE

## #△ REF No. PART No. PART NAME, DESCRIPTION

R2	QRD161J-333	RESISTOR	33kΩ,1/6W
R3	QRD161J-123	RESISTOR	12kΩ,1/6W
R4	QRD161J-181	RESISTOR	180Ω,1/6W
R5	QRV141F-5600AY	CMF RESISTOR	560Ω,1/4W
R6	QRV141F-3300AY	CMF RESISTOR	330Ω,1/4W
R7	QRV141F-3300AY	CMF RESISTOR	330Ω,1/4W
R8	QRV141F-4700AY	CMF RESISTOR	470Ω,1/4W
R9	QRD161J-182	RESISTOR	1.8kΩ,1/6W
R10	QRD161J-222	RESISTOR	2.2kΩ,1/6W
R11	QRD161J-152	RESISTOR	1.5kΩ,1/6W
R12	QRD161J-561	RESISTOR	560Ω,1/6W
R13	QRD161J-561	RESISTOR	560Ω,1/6W
R16	QRD161J-102	RESISTOR	1kΩ,1/6W
R17	QRD161J-561	RESISTOR	560Ω,1/6W
R18	QRD161J-332	RESISTOR	3.3kΩ,1/6W
R19	QRD161J-472	RESISTOR	4.7kΩ,1/6W
R20	QRD161J-332	RESISTOR	3.3kΩ,1/6W
R21	QRD161J-391	RESISTOR	390Ω,1/6W
R22	QRD161J-102	RESISTOR	1kΩ,1/6W
R23	QRD161J-681	RESISTOR	680Ω,1/6W
R24	QRD161J-102	RESISTOR	1kΩ,1/6W
R25	QRD161J-103	RESISTOR	10kΩ,1/6W
R26	QRD161J-221	RESISTOR	220Ω,1/6W
R27	QRD161J-103	RESISTOR	10kΩ,1/6W
R28	QRD161J-102	RESISTOR	1kΩ,1/6W
R29	QRD161J-681	RESISTOR	680Ω,1/6W
R30	QRD161J-471	RESISTOR	470Ω,1/6W
R32	QRD161J-472	RESISTOR	4.7kΩ,1/6W
R34	QRD161J-122	RESISTOR	1.2kΩ,1/6W
R35	QRD161J-102	RESISTOR	1kΩ,1/6W
R36	QRD161J-102	RESISTOR	1kΩ,1/6W
R37	QRD161J-681	RESISTOR	680Ω,1/6W
R38	QRD161J-561	RESISTOR	560Ω,1/6W
R39	QRD161J-393	RESISTOR	39kΩ,1/6W
R40	QRD161J-152	RESISTOR	1.5kΩ,1/6W
R41	QRD161J-271	RESISTOR	270Ω,1/6W
R42	QRD161J-103	RESISTOR	10kΩ,1/6W
R43	QRD161J-222	RESISTOR	2.2kΩ,1/6W
R44	QRD161J-223	RESISTOR	22kΩ,1/6W
R45	QRD161J-273	RESISTOR	27kΩ,1/6W
R46	QRD161J-222	RESISTOR	2.2kΩ,1/6W
R47	QRD161J-222	RESISTOR	2.2kΩ,1/6W
R48	QRD161J-222	RESISTOR	2.2kΩ,1/6W
R49	QRD161J-122	RESISTOR	1.2kΩ,1/6W
R50	QRD161J-122	RESISTOR	1.2kΩ,1/6W
R51	QRD161J-101	RESISTOR	100Ω,1/6W
R52	QRD161J-222	RESISTOR	2.2kΩ,1/6W
R53	QRD161J-183	RESISTOR	18kΩ,1/6W
R54	QRD161J-472	RESISTOR	4.7kΩ,1/6W
R55	QRD161J-391	RESISTOR	390Ω,1/6W
R56	QRD161J-473	RESISTOR	47kΩ,1/6W
R57	QRD161J-0R0	RESISTOR	0Ω,1/6W
R58	QRD161J-103	RESISTOR	10kΩ,1/6W
R59	QRD161J-561	RESISTOR	560Ω,1/6W
R60	QRD161J-561	RESISTOR	560Ω,1/6W
R61	QRD161J-181	RESISTOR	180Ω,1/6W
R62	QRD161J-223	RESISTOR	22kΩ,1/6W



#△ REF No.	PART No.	PART NAME, DESCRIPTION	#△ REF No.	PART No.	PART NAME, DESCRIPTION
R63	QRD161J-223	RESISTOR 22kΩ,1/6W	R126	QRD161J-181	RESISTOR 180Ω,1/6W
R64	QRD161J-152	RESISTOR 1.5kΩ,1/6W	R127	QRD161J-473	RESISTOR 47kΩ,1/6W
R66	QRD161J-152	RESISTOR 1.5kΩ,1/6W			
R67	QRD161J-393	RESISTOR 39kΩ,1/6W	R136	QRD161J-181	RESISTOR 180Ω,1/6W
R68	QRD161J-152	RESISTOR 1.5kΩ,1/6W	R137	QRD161J-103	RESISTOR 10kΩ,1/6W
R69	QRD161J-271	RESISTOR 270Ω,1/6W	R138	QRD161J-103	RESISTOR 10kΩ,1/6W
R70	QRD161J-103	RESISTOR 10kΩ,1/6W	R139	QRD161J-181	RESISTOR 180Ω,1/6W
			△ R140	PU52108-2R2	POSITIVE THERMISTOR
R71	QRD161J-472	RESISTOR 4.7kΩ,1/6W			
R72	QRD161J-473	RESISTOR 47kΩ,1/6W	R141	QRD161J-103	RESISTOR 10kΩ,1/6W
R73	QRD161J-104	RESISTOR 100kΩ,1/6W	R142	QRD161J-103	RESISTOR 10kΩ,1/6W
R74	QRD161J-222	RESISTOR 2.2kΩ,1/6W	R143	QRD161J-154	RESISTOR 150kΩ,1/6W
R77	QRD161J-122	RESISTOR 1.2kΩ,1/6W	R144	QRD161J-104	RESISTOR 100kΩ,1/6W
R78	QRD161J-123	RESISTOR 12kΩ,1/6W			
R79	QRD161J-123	RESISTOR 12kΩ,1/6W	R1001	QVZ3513-102	V RESISTOR 1kΩ
R80	QRD161J-102	RESISTOR 1kΩ,1/6W			
			RA1	EXB-P88103M	NETWORK RESISTOR
R81	QRD161J-333	RESISTOR 33kΩ,1/6W			
R82	QRD161J-273	RESISTOR 27kΩ,1/6W	C2	QETC1CM-107	E CAPACITOR 100 μF,16V
R83	QRD161J-152	RESISTOR 1.5kΩ,1/6W	C3	QETC1CM-106	E CAPACITOR 10 μF,16V
R84	QRD161J-102	RESISTOR 1kΩ,1/6W	C4	QETC1AM-107	E CAPACITOR 100 μF,10V
R85	QRD161J-102	RESISTOR 1kΩ,1/6W	C6	QCC31CK-104	CAPACITOR 0.1 μF,16V
R86	QRD161J-271	RESISTOR 270Ω,1/6W	C7	QETC1AM-107	E CAPACITOR 100 μF,10V
R87	QRD161J-222	RESISTOR 2.2kΩ,1/6W	C8	QETC1AM-107	E CAPACITOR 100 μF,10V
R88	QRD161J-103	RESISTOR 10kΩ,1/6W	C9	QCC31CK-104	CAPACITOR 0.1 μF,16V
R89	QRD161J-222	RESISTOR 2.2kΩ,1/6W			
R90	QRD161J-271	RESISTOR 270Ω,1/6W	C11	QCS31HJ-220	CAPACITOR 22pF,50V
			C13	QCS31HJ-560	CAPACITOR 56pF,50V
R91	QRD161J-222	RESISTOR 2.2kΩ,1/6W	C14	QCS31HJ-150	CAPACITOR 15pF,50V
R92	QRD161J-102	RESISTOR 1kΩ,1/6W	C15	QETC1AM-107	E CAPACITOR 100 μF,10V
R93	QRD161J-821	RESISTOR 820Ω,1/6W	C16	QCF31HP-103	CAPACITOR 0.01 μF,50V
R94	QRD161J-331	RESISTOR 330Ω,1/6W	C17	QFN31HJ-222	M CAPACITOR 0.0022 μF,50V
R95	QRD161J-681	RESISTOR 680Ω,1/6W	C18	QETC1HM-105	E CAPACITOR 1 μF,50V
R97	QRD161J-182	RESISTOR 1.8kΩ,1/6W	C20	QCS31HJ-220	CAPACITOR 22pF,50V
R98	QRD161J-102	RESISTOR 1kΩ,1/6W			
R99	QRD161J-473	RESISTOR 47kΩ,1/6W	C21	QFN31HJ-103	M CAPACITOR 0.01 μF,50V
R100	QRD161J-681	RESISTOR 680Ω,1/6W	C22	QFN31HJ-152	M CAPACITOR 0.0015 μF,50V
			C23	QETC1EM-475	E CAPACITOR 4.7 μF,25V
R103	QRD161J-104	RESISTOR 100kΩ,1/6W	C24	QCS31HJ-390	CAPACITOR 39pF,50V
R104	QRD161J-104	RESISTOR 100kΩ,1/6W	C25	QCS31HJ-121	CAPACITOR 120pF,50V
R105	QRD161J-473	RESISTOR 47kΩ,1/6W	C26	QETC1CM-106	E CAPACITOR 10 μF,16V
R106	QRD161J-183	RESISTOR 18kΩ,1/6W	C27	QETC1HM-474	E CAPACITOR 0.47 μF,50V
R107	QRD161J-103	RESISTOR 10kΩ,1/6W	C28	QETC1AM-108	E CAPACITOR 1000 μF,10V
R108	QRD161J-472	RESISTOR 4.7kΩ,1/6W	C29	QETC1AM-108	E CAPACITOR 1000 μF,10V
R109	QRD161J-472	RESISTOR 4.7kΩ,1/6W	C30	QETC1AM-107	E CAPACITOR 100 μF,10V
R110	QRD161J-471	RESISTOR 470Ω,1/6W			
			C31	QETC1AM-107	E CAPACITOR 100 μF,10V
R111	QRD161J-471	RESISTOR 470Ω,1/6W	C32	QETC1AM-107	E CAPACITOR 100 μF,10V
R112	QRD161J-471	RESISTOR 470Ω,1/6W	C33	QCC31CK-104	CAPACITOR 0.1 μF,16V
R113	QRD161J-471	RESISTOR 470Ω,1/6W	C35	QFN31HJ-222	M CAPACITOR 0.0022 μF,50V
R114	QRD161J-471	RESISTOR 470Ω,1/6W	C36	QCC31CK-104	CAPACITOR 0.1 μF,16V
R115	QRD161J-471	RESISTOR 470Ω,1/6W	C37	QCS31HJ-220	CAPACITOR 22pF,50V
R116	QRD161J-471	RESISTOR 470Ω,1/6W	C38	QFN31HJ-103	M CAPACITOR 0.01 μF,50V
R117	QRD161J-471	RESISTOR 470Ω,1/6W	C39	QFN31HJ-152	M CAPACITOR 0.0015 μF,50V
R118	QRD161J-121	RESISTOR 120Ω,1/6W	C40	QETC1HM-475	E CAPACITOR 4.7 μF,50V
R119	QRD161J-121	RESISTOR 120Ω,1/6W			
R120	QRD161J-121	RESISTOR 120Ω,1/6W	C43	QCC31CK-104	CAPACITOR 0.1 μF,16V
			C46	QETC1CM-107	E CAPACITOR 100 μF,16V
R121	QRD161J-121	RESISTOR 120Ω,1/6W	C47	QETC1AM-107	E CAPACITOR 100 μF,10V
R122	QRD161J-121	RESISTOR 120Ω,1/6W	C48	QCS31HJ-101	CAPACITOR 100pF,50V
R123	QRD161J-121	RESISTOR 120Ω,1/6W	C49	QCS31HJ-101	CAPACITOR 100pF,50V
R124	QRD161J-121	RESISTOR 120Ω,1/6W	C50	QETC1AM-107	E CAPACITOR 100 μF,10V
R125	QRD161J-121	RESISTOR 120Ω,1/6W			

#	△ REF No.	PART No.	PART NAME, DESCRIPTION	#	△ REF No.	PART No.	PART NAME, DESCRIPTION
C51		QETC1AM-476	E CAPACITOR 47 $\mu$ F,10V	SLD1		PRD30781-02-03	SHIELD PLATE
C52		QETC1HM-474	E CAPACITOR 0.47 $\mu$ F,50V	RV1		PU53276	PLASTIC RIVET, $\times$ 4
C53		QETC1HM-474	E CAPACITOR 0.47 $\mu$ F,50V				
C54		QETC1AM-107	E CAPACITOR 100 $\mu$ F,10V	TP1		PU54983	TEST PIN, $\times$ 20
C56		QCS31HJ-100	CAPACITOR 10pF,50V				
C58		QETC1HM-104	E CAPACITOR 0.1 $\mu$ F,50V	CN1		PGZ00421-64	MALE CONNECTOR
C59		QETC1CM-476	E CAPACITOR 47 $\mu$ F,16V				
C60		QCC31EK-104	CAPACITOR 0.1 $\mu$ F,25V				
C61		QCC31CK-104	CAPACITOR 0.1 $\mu$ F,16V				
C62		QETC1CM-107	E CAPACITOR 100 $\mu$ F,16V				
C63		QETC1AM-476	E CAPACITOR 47 $\mu$ F,10V				
C64		QCC31CK-104	CAPACITOR 0.1 $\mu$ F,16V				
C65		QCC31CK-104	CAPACITOR 0.1 $\mu$ F,16V				
C66		QETC1AM-107	E CAPACITOR 100 $\mu$ F,10V				
C67		QETC1AM-107	E CAPACITOR 100 $\mu$ F,10V				
C68		QCC31CK-104	CAPACITOR 0.1 $\mu$ F,16V				
C69		QCC31CK-104	CAPACITOR 0.1 $\mu$ F,16V				
C70		QETC1AM-476	E CAPACITOR 47 $\mu$ F,10V				
C72		QETC1HM-105	E CAPACITOR 1 $\mu$ F,50V				
C73		QCC31CK-104	CAPACITOR 0.1 $\mu$ F,16V				
C74		QCC31CK-104	CAPACITOR 0.1 $\mu$ F,16V				
C75		QCC31CK-104	CAPACITOR 0.1 $\mu$ F,16V				
C76		QCC31CK-104	CAPACITOR 0.1 $\mu$ F,16V				
C80		QETC1HM-225	E CAPACITOR 2.2 $\mu$ F,50V				
C83		QCC31CK-104	CAPACITOR 0.1 $\mu$ F,16V				
C84		QETC1AM-107	E CAPACITOR 100 $\mu$ F,10V				
C85		QFN31HJ-103	M CAPACITOR 0.01 $\mu$ F,50V				
C86		QFN31HJ-103	M CAPACITOR 0.01 $\mu$ F,50V				
C88		QCS31HJ-270	CAPACITOR 27pF,50V				
C89		QCS31HJ-270	CAPACITOR 27pF,50V				
C99		QCC31CK-104	CAPACITOR 0.1 $\mu$ F,16V				
C100		QCS31HJ-180	CAPACITOR 18pF,50V				
C101		PU57672-200	TRIMMER CAPACITOR 20pF				
C102		PU57672-300	TRIMMER CAPACITOR 30pF				
C105		QCF31HP-103	CAPACITOR 0.01 $\mu$ F,50V				
C107		QCS31HJ-271	CAPACITOR 270pF,50V				
C108		QCS31HJ-680	CAPACITOR 68pF,50V				
C109		QETC1CM-107	E CAPACITOR 100 $\mu$ F,16V				
L1		PU48530-220J	COIL, $\times$ 3 (L1, L5, L6) 22 $\mu$ H				
L2		PU48530-471J	COIL 470 $\mu$ H				
L3		PU48530-221J	COIL 220 $\mu$ H				
△ X1		PGZ00898	CRYSTAL RESONATOR				
△ X2		PGZ00937	CERAMIC FILTER				
△ X3		PGZ00937	CERAMIC FILTER				
△ X5		PU60784	RESONATOR				
△ K1		PGZ00354	FERRITE BEADS, $\times$ 3				
EJ1		PGZ00582	EJECTOR, $\times$ 2				
STK1		PRD30072-57	STICKER				



**JVC PROFESSIONAL PRODUCTS COMPANY**  
**DIVISION OF US JVC CORP.**

<b>Head office</b>	: 107 Little Falls Road Fairfield, New Jersey 07004	(201)808-2100
<b>(East Coast)</b>		
<b>Midwest</b>	: 705 Enterprise Street, Aurora, Illinois 60504-8149	(708)851-7855
<b>West Coast</b>	: 5665 Corporate Avenue, Cypress, California 90630	(714)229-8011

**JVC CANADA INC.**

<b>Head office</b>	: 21 Finchdene Square Scarborough, Ontario M1X 1A7	(416)293-1311
<b>Vancouver</b>	: 13040 Worster Court Richmond B.C. V6V 2B3	(604)270-1311

**JVC**



Printed in Japan  
9503 (Sanwa)-GEN